DOCUMENT RESUME

ED 255 253 JC 850 118

TITLE	Master Plan: Santa Fe Community College.
INSTITUTION	Arrison, Inc., Santa Fe, NM.
SPONS AGENCY	Santa Fe Community Coll. Board, NM.
PUB DATE	Jan 85
NOTE	125p.
PUB TYPE	Reports - Descriptive (141)
EDRS PRICE	MF01/PC05 Plus Postage.
DESCRIPTORS	*Campus Planning; *College Planning; Community Colleges; *Educational Facilities Planning; Facility Requirements; Master Plans; School Space; Site Analysis; *Space Utilization; Two Year Colleges

ABSTRACT

This master plan for Santa Fe Community College (SFCC) was prepared to provide the college with a base document to guide the initial and future development of the campus. The report begins with historical background of the development of the college from the recognition of the need for the college in the 1970's to its creation in 1983. Next, the mission and goals of SFCC are outlined. The following sections provide a service area profile, describing population and demographic trends; enrollment growth and student characteristics for fall 1983 through spring 1984; enrollment projections and growth patterns for New Mexico community colleges and for SFCC; a list of degree and certificate programs currently offered and to be developed; and instructional space needs and space utilization, based on projections of the number of students and the hours they will attend classes each week. Next, the facilities required to accommodate the enrollments projected for 1990 are specified within the categories of instructional support and instructional spaces. The next sections provide information on the selected site and how it can best be utilized. The final sections provide a schedule for the construction of the campus, discuss cost estimates, and address future considerations. (HB)

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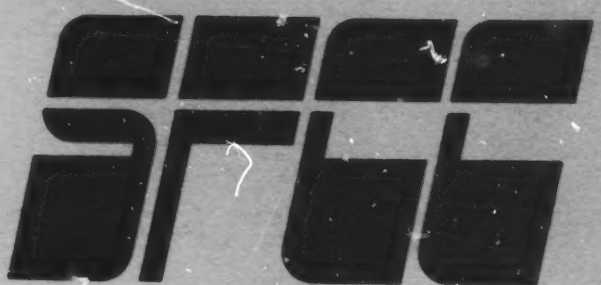
MASTER PLAN



SANTA FE COMMUNITY COLLEGE

SANTA FE, NEW MEXICO

ARRISON INC. / ARCHITECTS / PLANNERS / SANTA FE, NEW MEXICO

SANTA FE COMMUNITY COLLEGE

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SANTA FE COMMUNITY COLLEGE

ACKNOWLEDGMENT

The development of the Santa Fe Community College Master Plan has been a team effort involving members of Arrison, Inc., SFCC staff, SFCC Board, N.M. Board of Educational Finance, N.M. Board of Education, Rancho Viejo Partnership and members of City and County government.

We are especially indebted to Dr. William C. Witter, SFCC President; Board Members, Dr. Joe L. Hernandez, Gene R. Fulgenzi, Gloria M. Lopez Gomez, Albert "Al" Romero and Michael Francke; Thomas E. Wilson, Dean of Administration; Dr. John M. Pacheco, Dean of Instruction; Anthony E. Garcia, Dean of Students; Dr. Rosalie A. Bindel, Director of Planning and Research; Debra Halsey, Coordinator of Community Relations; Agnes Rivera, Secretary to the President; and John Dendahl, Rancho Viejo Partnership for their outstanding cooperation, assistance and guidance.

ARRISON, INC.

The purpose of the master plan report is to provide SFCC with a base document to guide the initial and future development of their new campus. It should be remembered that this document was developed with today's information, and with the passage of time, information and needs change. This document should be reviewed each year for changes in trends and updated at least every five years.

The master plan study included educational programming, site selection, budget estimating and a host of other activities necessary to the task of establishing a new community college campus. The section entitled "Background/History" provides a brief resume of some past activities which were a basis for this master plan report.

This report has been structured to provide the reader with a basic understanding of what SFCC is all about and where we believe they are headed during the next fifteen years. The report contains a brief history of SFCC; a statement of their mission and goals; a profile of their service area; their past track record of enrollment growth; a view of future enrollment growth, educational programs and spaces required to accommodate those enrollments and programs; a detail profile of the selected site and how it can best be utilized; and the related cost implications.

While a great deal of progress has been made toward development of a new campus, much remains to be done. Facilities are essential for achieving SFCC's objectives to provide comprehensive educational programs in pre-baccalaureate, vocational-technical and developmental education, community service and cultural enrichment. It is the goal of the College to create a learning environment where each individual will have an opportunity to experience success regardless of entry skills or personal background. It is the aim of the College to be a place where people can fine stimulation to enrich their lives and increase their productivity; to be a reflection of the history, traditions and cultural diversity of this community.

SANTA FE COMMUNITY COLLEGE

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Recognition of Santa Fe's need for a low-cost, public two-year college first took root in the 1970s. Discussion continued to grow until 1980 when the Santa Fe Board of Education conducted a study in which the local citizens showed a definite desire for a community college and a willingness to help support one financially. The Santa Fe Public School Board then proceeded with coordinating efforts to establish a community college.

On February 2, 1983, the School Board called for a referendum in which the citizens voted overwhelmingly in favor of establishing a community college and voted to help support one through a local tax levy.

The following month, the 1983 New Mexico Legislature formally recognized the community's wishes and appropriated start-up and first-year operating funds totaling $1.5 million (signed into law by Governor Toney Anaya on April 5, 1983). The first governing board was appointed March 30, 1983, to operate what became known as Santa Fe Community College (SFCC). SFCC opened its doors to students for the first time on September 12, 1983.

Soon after it was established, the College set up temporary offices at the New Mexico School for the Deaf before moving into its present location in the Joseph E. Valdes Industrial Park in southwest Santa Fe. The College is leasing a 28,000 square foot building from the City of Santa Fe until a new college campus is developed.

The College has renovated its leased facility to provide instructional areas including: 13 general classrooms; typing lab; computer lab; science lab; drafting lab; accounting lab; space for the newly-acquired Adult Basic Education Program, and an abbreviated Learning Resource Center. Office space for all operational units of the College have also been provided. Additional instructional space during the College's first year in operation was also provided through agreements with various public and private entities in Santa Fe, including: the College of Santa Fe; the Computer School of Santa Fe; the Court House and Spa;

Follett Bookstore; Fort Marcy Recreational Facility, City of Santa Fe; the Institute of American Indian Arts; Santa Fe High School; and the Santa Fe Indian School.

On April 17, 1984, the College conducted a $5 million bond issue to help fund the construction of a permanent campus. Citizens of the College district voted overwhelmingly in favor of the bond issue: the vote was 2,786 to 559, a favorabl margin of 5 to 1.

The 1984 New Mexico Legislature also approved $1 million for SFCC campus construction and included it in the statewide Educational Bond Act which will be voted on by New Mexico citizens in the November 1984 general election.

Other steps toward campus development taken by the College during its first year in operation include the selection of an architect and a site. The architectural firm of Arrison, Inc., of Santa Fe, was named on June 30, 1984. The College Board then selected a site on August 2, 1984, on 160 acres located near Richards Avenue, two miles south of Rodeo Road. The land was donated by the Rancho Viejo Partnership.

During its first year, SFCC was accepted as a candidate for accreditation by the North Central Association of Colleges and Schools.

SANTA FE COMMUNITY COLLEGE

MISSION AND GOALS

The mission of Santa Fe Community College (SFCC) is to provide for members of the community quality learning experiences which will assist them to live effectively as workers, family members and citizens. The College aims to provide an education that aids each individual in attaining a high level of cultural, intellectual, physical and social development, and a high level of technical competence. To accomplish this purpose, SFCC offers at low cost to students the following types of educational programs: occupational, transfer, general education, developmental education, guidance and community services.

SFCC has developed the following goals towards fulfilling its stated mission.

1. To provide a general education program, allowing students to transfer to an institution that grants baccalaureate degrees or to complete college studies with an associate degree granted by the College.
2. To provide occupational education and training in the technologies, business careers and health and public services at a semi-professional level leading to the preparation for the diversified employment demands of business, industry and government.
3. To provide developmental education programs through which students may acquire the basic verbal, quantitative and cognitive skills necessary for the successful completion of college level work.
4. To provide community services programs in areas of business/professional training, personal development and cultural and recreational activities.
5. To maintain the educational open enrollment admissions policy for all prospective students who desire and can benefit from learning opportunities.

6. To provide a broad program of student advising, counseling, testing, financial aid, career planning and human development services readily accessible to all students.
7. To provide for efficient and prudent financial management of the College without impairing the quality of services.
8. To provide an appealing educational environment adequate for present and future enrollments that is affordable and accessible to students.

SANTA FE COMMUNITY COLLEGE

SERVICE AREA PROFILE

The boundaries of the Santa Fe Community College district are identical to the boundaries of the Santa Fe Public School District. The College District covers most of Santa Fe County and consists of 1,080 square miles.

Santa Fe County is situated in north central New Mexico and is bounded on the east by San Miguel and Mora Counties; on the west by Los Alamos County; and on the south by Torrance County.

Santa Fe County sits at an elevation of 7,000 feet and is characterized by high semi-desert plateaus with alpine mountains on the eastern and western edges.

The county's economy is influenced by substantial government employment, retail trade, tourism and service activities located in the City of Santa Fe, the largest population center in the county. The City of Santa Fe serves as the county seat as well as the state capital and is the main trade and service center for most of north central New Mexico. While state, county and federal government and tourism are the foundations of the economy, other major employers include the public schools and hospitals.

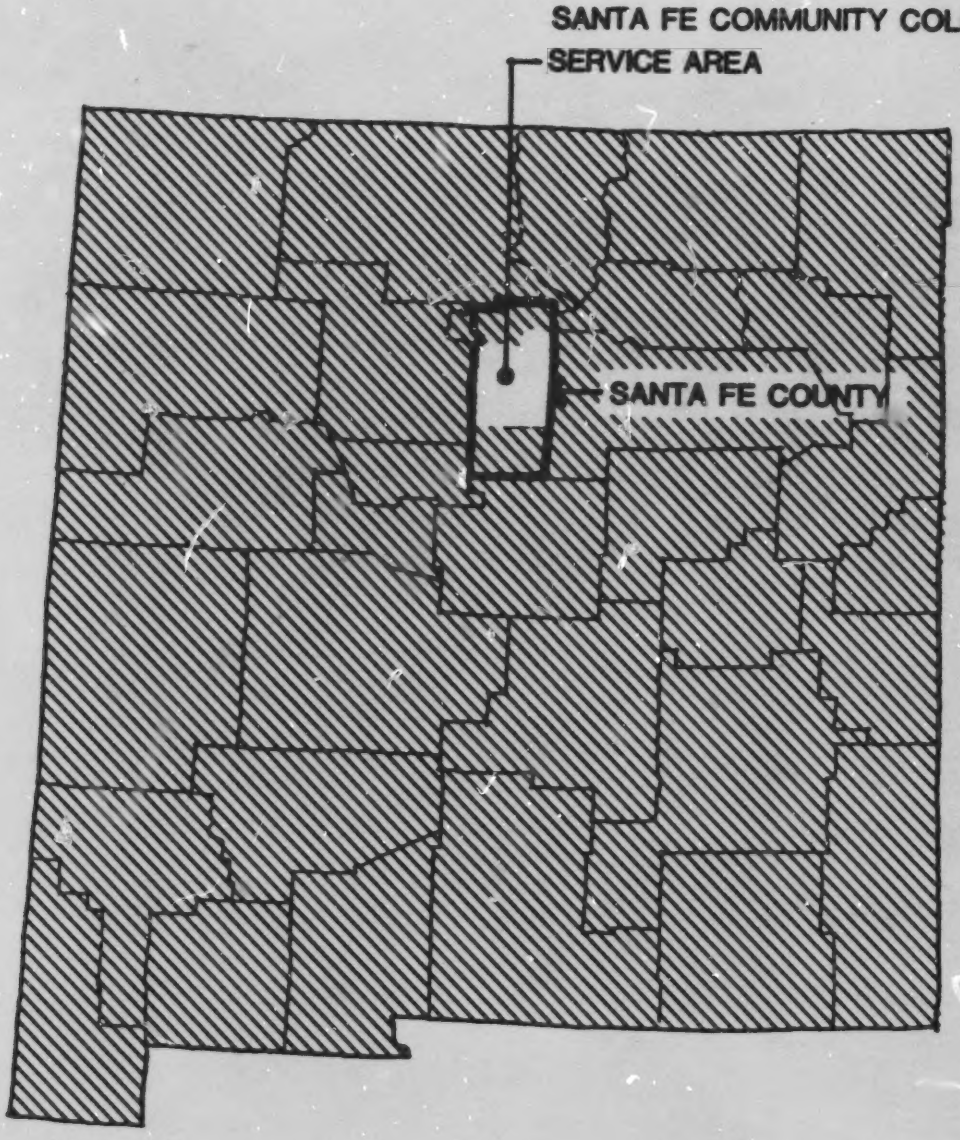
The population of the College district is 69,276, which represents 92 percent of Santa Fe County's population of 75,360 (according to 1980 census figures). The City of Santa Fe's population is 48,953.

Population projections for the College's service area are based upon Santa Fe County population projections made by the Bureau of Business and Economic Research at the University of New Mexico.

Santa Fe County has shown steady growth since 1910. Although the population growth was minimal between 1910 and 1930, it grew by an average of more than 25 percent every decade since 1930. The growth rate from 1970 to 1980 was 38 percent.

The Bureau of Business and Economic Research has projected that Santa Fe County's population growth will slow down during the remainder of the century. The Bureau projects a 7 percent increase in population by 1985; a 6.5 percent increase by 1990; a 4 percent increase by 1995; and a 3.5 percent increase by 2000. However, current conditions in Santa Fe County indicate that these growth rates may be conservative. New population projections were unavailable at the time this document was prepared.

According to 1980 census figures, the breakdown by sex of Santa Fe County's population is 36,946 males and 38,414 females. The median age of males is 28.7 and the median age of females is 29.9. Those of Spanish origin equal 41,865 and those not of Spanish origin equal 33,495.



SERVICE AREA
SANTA FE COMMUNITY COLLEGE

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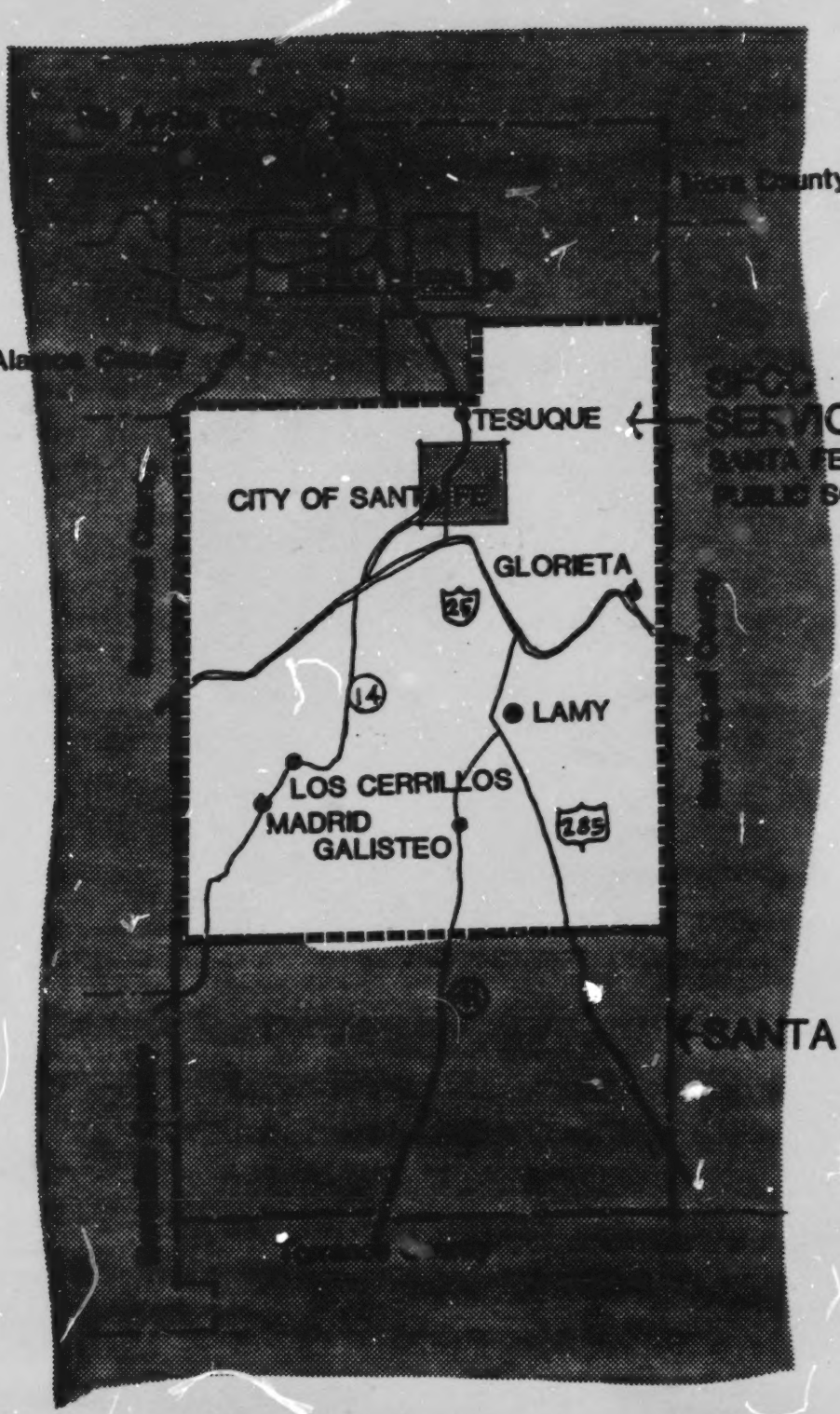


SERVICE AREA

SANTA FE COMMUNITY COLLEGE

SANTA FE COMMUNITY COLLEGE
Service Area Population Projection Table

29 August 1983

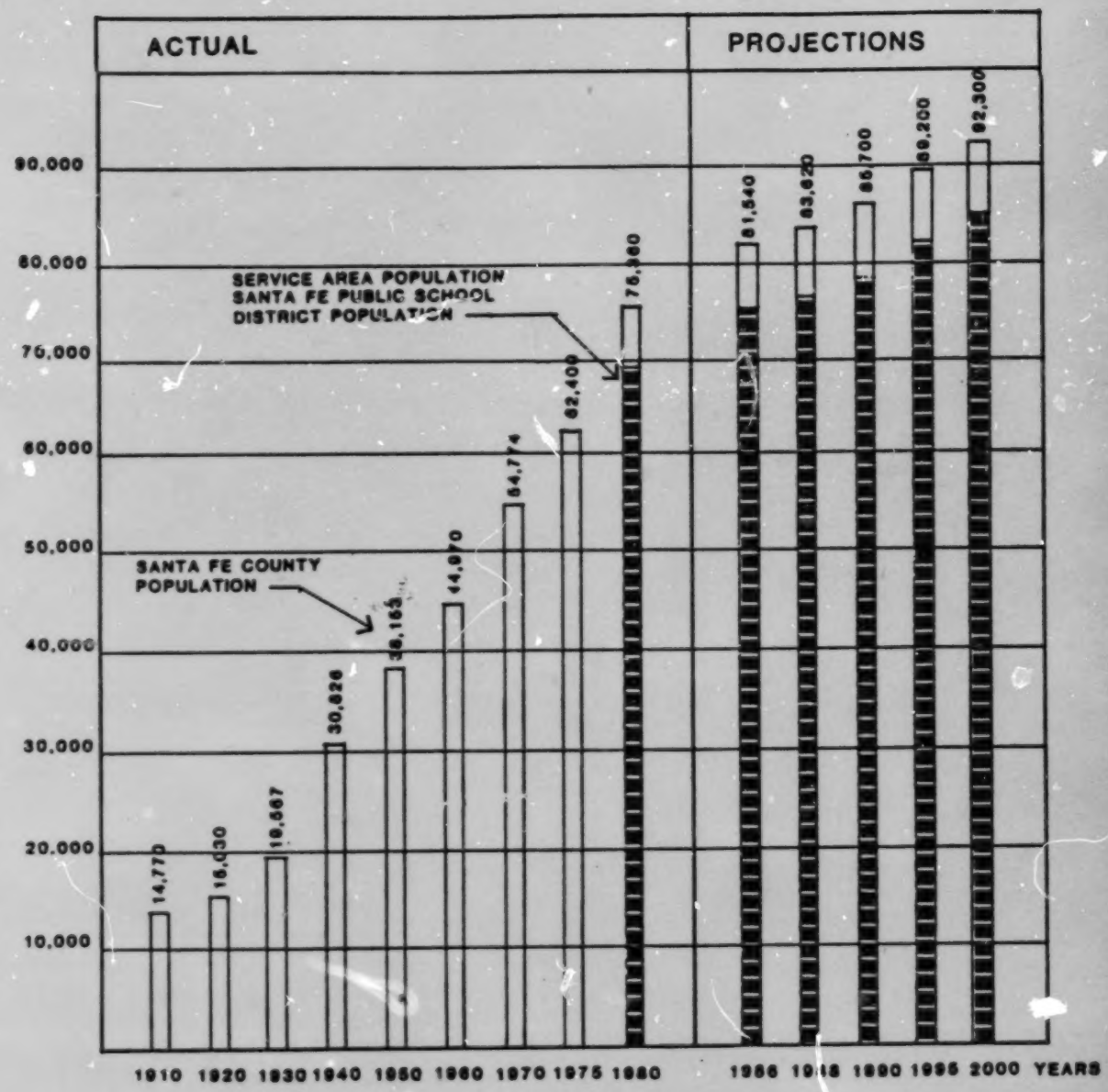
Year	Santa Fe County Population	Santa Fe Public School District - Population***
1980	75,360*	69,276
1981	76,388	70,277
1982	77,416	71,222
1983	78,444	72,168
1984	79,472	73,114
1985	80,500**	74,060
1986	81,540	75,017
1987	82,580	75,974
1988	83,620	76,930
1989	84,660	77,887
1990	85,700**	78,844
1991	86,400	79,488
1992	87,100	80,132
1993	87,800	80,776
1994	88,500	81,420
1995	89,200**	82,064
1996	89,820	82,634
1997	90,440	83,205
1998	91,060	83,775
1999	91,680	84,346
2000	92,300**	84,916

Notes:

*Actual population - source: U.S. Census
**Estimate population - source: Bureau of Business and Economic Research, University of New Mexico, January 1983.
***Santa Fe Public School District population after year 1981 represents 92% of Santa Fe County estimated populations.

[ ] Indicates years utilized for FTE enrollment projections.

All county population projections between years 1985, 1990, 1995 and 2000 were achieved by equally dividing the population growth for each intervening year.



SERVICE AREA POPULATION

SANTA FE COMMUNITY COLLEGE

SANTA FE PUBLIC SCHOOL DISTRICT

SANTA FE COMMUNITY COLLEGE

PAST ENROLLMENT

Santa Fe Community College was established in the Spring of 1983 and first held classes in the Fall of that year. Original estimates targeted a first full year enrollment of 350-400 FTE or semester enrollment of 315-360 FTE. Actual partial first year enrollment was 355.2. If the College would have had a summer semester of 100 FTE, it would have had a 400 FTE first year. Therefore, the first year was on the high side of the projections. The first two semester enrollments were 340.9 FTE (Fall 1983) and 369.5 FTE (Spring 1984), both on the high side of the original projections.

The start of the first full year (Fall 1984) saw a 60% increase in FTE enrollment and a 73% increase in headcount. The Spring 1985 semester showed an FTE increase of 43% and a headcount increase of 47%. The following chart provides a detailed breakdown of past enrollment data.

Academic Year	Head Count	Credit Hours	FTE
1983-84			
Summer	-0-	-0-	-0
Fall	1,054	5,113	340.8
Spring	1,226	5,543	369.5
Yearly		10,656	355.2
1984-85			
Summer	450	1,554	103.6
Fall	1,828	8,159	544
Spring	1,800	7,950	530
Yearly	N/A	N/A	N/A

Normally, community colleges experience their largest semester enrollment in the fall and generally is 88%-92% of the yearly FTE. The reason for identifying semester enrollment patterns is to determine facilities needs for the peak enrollment load.

Because Santa Fe Community College has not been in operation long enough to establish any semester enrollment patterns, this report will assume fall semester to be the peak period at 92% of the yearly FTE projections.

1983-1984 Student Profile

The student profiles for the credit program for both Fall 1983 and Spring 1984 indicate that most students lived in the SFCC district, had attended college previously in New Mexico, were enrolled as non-degree students, and carried a part-time load. A majority of students were employed either part-time or full-time and scheduled their classes late afternoons or evenings.

Enrollment

	Fall 1983	Spring 1984
Headcount		
Total	1,054	1,226 (Up 16%)
Men	322	437 (Up 5%)
Women	732	789
First Time Any College	307	225
Returning		453
Credit Hours	5,113	5,543
Full-Time Equivalent	340.87	369.53 (Up 8%)

	Fall 1983		Spring 1984	
Age	Male	Female	Male	Female
Average Age	28	30	30	32
Median Age	25	30.5	26	28
Youngest			16	16
Oldest			68	72

Status	Fall 1983 Male	Fall 1983 Female	Spring 1984 Male	Spring 1984 Female
Freshman	122	270	120	198
Sophomore	40	98	49	108
Current High School	3	7	8	6
Non-degree	157 (49%)	357 (49%)	260	477
Full-Time	25 (8%)	52 (7%)	34 (8%)	51 (7%)
Part-Time	297 (92%)	680 (93%)	403 (92%)	738 (93%)

Ethnic Background	Fall 1983 Male	Fall 1983 Female	Spring 1984 Male	Spring 1984 Female
Hispanic	192 (60%)	408 (56%)	214 (49%)	397 (50%)
White/Non-Hispanic	124 (38%)	306 (42%)	185 (42%)	357 (45%)
American Indian		13 (2%)	24 (6%)	23 (3%)
Other	6 (1%)	5 (.7%)	13 (3%)	7 (.9%)
Withdrawals	72 (7%)		109 (9%)	

Community Services Student Profile - 1983-84

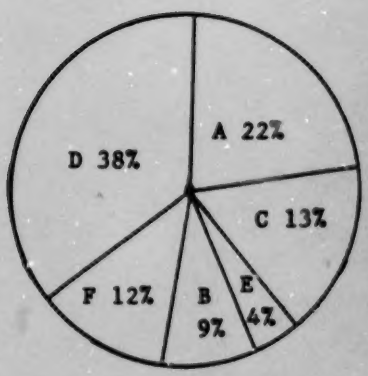
Data from 450 student evaluations, representing 33% of the final 1,355 Spring 1984 enrollments, reflects a student profile which is similar to that of the Fall 1983 term.

A majority of Community Services participants were female (71%), married (58%), non-native residents (68%), and had taken continuing education courses before (50%). Participants had enrolled in activities for personal enrichment (43%), craft or skill development (33%), social purposes (13%) and job-related reasons (11%). Ninety-seven percent indicated that they would like to take more courses in the future. Marketing research showed that the majority of students learned about Community Services programs through the local newspaper and the schedule.

The following responses were indicated for occupation, education, income and age categories.

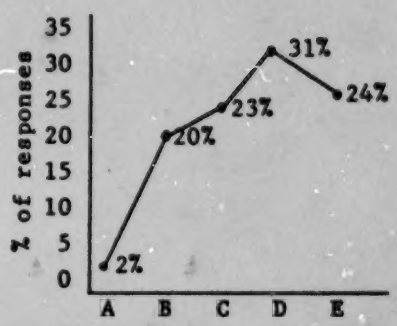
Occupations: 445 responses

A.	Homemaker:	97	
B.	Skilled:	39	
C.	Sales/Office:	57	
D.	Professional:	177	
E.	Student:	20	
F.	Other:	55	(mostly retired)



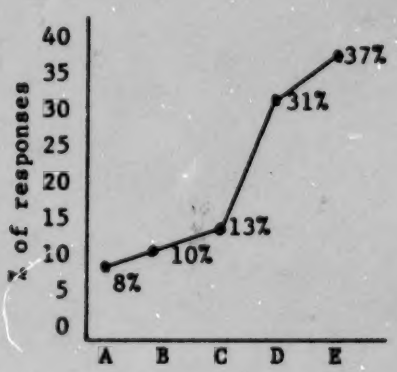
Educational Background: 438 responses

A.	Some H.S.:	9
B.	H.S. Grad:	88
C.	Some College:	99
D.	College Grad:	136
E.	Post Grad:	106



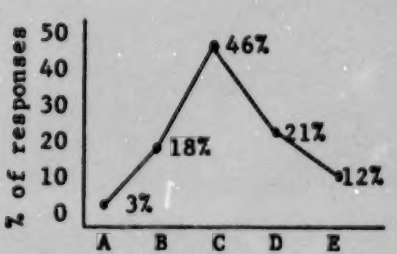
Family Income: 357 responses

A.	5-10,000:	30
B.	10-15,000:	37
C.	15-20,000:	45
D.	20-30,000:	112
E.	30-above:	133



Age Category: 419 responses

A.	0-20:	11
B.	21-30:	77
C.	31-45:	192
D.	46-55:	87
E.	55-above:	52



SANTA FE COMMUNITY COLLEGE

ENROLLMENT PROJECTIONS

Projecting future enrollments for community colleges is difficult. This task becomes increasingly difficult for newly established colleges, such as Santa Fe Community College.

Many factors influence enrollment and enrollment patterns such as: population growth within the service area; number of recent high school graduates and age groupings of population; quality of faculty and administrative staff (i.e. reputation of the college); number and types of educational programs; economic conditions; appeal of physical facilities; distance of campus from population to be served; and proximity to other post secondary institutions. These factors become so intertwined it is impossible to isolate or determine what specific impact each has on enrollment. In an attempt to simplify the analysis and projection process, factors listed have been grouped into two major categories: 1) population growth within the service area; and 2) how the service area's educational needs will be served by the college.

This section will make future FTE (Full Time Enrollment) projections based upon future projected population of the college's service area, as identified in the "SERVICE AREA PROFILE" section, and past FTE historical data from a selected list of similar New Mexico community colleges. The past historical data from these New Mexico institutions were utilized to make original enrollment projections because Santa Fe Community College had no past enrollment history. The projections contained in this section have been updated to reflect the actual College enrollment, as outlined in the previous section, entitled "PAST ENROLLMENT."

The chart entitled "Yearly FTE/Service Area Population Data Chart for New Mexico Community Colleges" outlines the growth of the New Mexico community colleges during the past seven years. This chart identifies yearly FTE for each institution and provides a breakdown of yearly academic and vocational FTE with the percentages of each to the total FTE. The relationship between yearly FTE enrollments (total enrollment--academic and vocational) and service

area population is expressed in terms of a ratio identifying how many individuals within the service area it requires to generate our yearly FTE. (Example: Dividing the Alamogordo 1975-76 service area population of 42,500 by the total yearly FTE of 653 provides a ratio of 65.08. This means it took 65.08 individuals within the service area to generate one total yearly FTE. The same process is utilized to achieve both the academic and vocational ratio.) The percentage increase or decrease between each year is identified on the lines entitled "Difference." Overall, totals and averages for the aggregate of colleges is contained at the end of the chart.

This chart provides a valuable overview of the growth pattern of New Mexico community colleges, both on an individual basis and a combined basis. Two major patterns are worth noting. First, the percentage increase in enrollment growth for all institutions as a whole has far exceeded the population growth rate of the service areas as a whole. Between 1975 and 1982 the service area population increased from 398,814 to 505,423, which represents an increase of 26.7%. During the same time frame, the total yearly FTE increased from 5913 to 8427, which represents an increase of 42.5%. This indicates the community colleges of New Mexico are attracting a higher percentage of students in 1982 than they did in 1975. Secondly, the vocational programs are attracting students at a faster rate than academic programs. In 1975-76, vocational FTE enrollment accounted for 33% of the total FTE and academic FTE enrollment accounted for 67%. These percentages in 1982-83 were 41% for vocational and 59% for academic.

YEARLY FTE / SERVICE AREA POPULATION DATA CHART 31 August 1983
FOR NEW MEXICO COMMUNITY COLLEGES

Institution	Svc Area pop.	ACADEMIC FTE	Ratio	%	VOCATIONAL FTE	Ratio	%	TOTAL FTE	Ratio
Alamogordo-NMSU									
75-76 yr	42,500	636	67	97	17	2,500	3	653	65
80-81 yr	44,665	665	67	91	63	709	9	728	61
Difference	+5.1%	+4.4%		-6	+270%		+6	+11.5%	
82-83 yr.	46,383	648	70	84	121	375	16	769	59
Difference	+1.6%	-2.6%		-7	+92%		+7	+5.6%	
Service Area: Otero County									
Carlsbad - NMSU									
75-76 yr	28,314	255	126	78	74	383	22	329	86
80-81 yr	33,335	296	113	65	160	208	35	456	73
Difference	+18.4%	+16.1%		-13	+116.2%		+13	+38.6%	
82-83 yr	36,151	269	134	63	160	226	37	429	84
Difference	+8.4%	-9.1%		- 2	0		+ 2	-5.9%	
Service Area: Carlsbad Public School District									
Grants - NMSU									
75-76 yr	26,000	176	148	97	5	5,200	3	181	144
80-81 yr	30,109	117	257	57	87	346	43	204	148
Difference	+15.8%	-33.5%		-40	+1640%		+40	+12.7%	
82-83 yr	29,870	123		43	164		57	287	104
Difference	-0.7%	+5.1%		-14	+88.5%		+14	+40.7%	
Service Area: Cibola County									
Gallup - UNM									
75-76 yr	51,100	421	121	97	11	4,645	3	432	118
80-81 yr	54,950	384	143	68	180	305	32	564	97
Difference	+7.5%	-8.7%		-29	+1536%		+29	+30.5%	
82-83 yr	61,846	411	150	59	280	221	41	691	90
Difference	+12.5%	+7.0%		-9	+55.5%		+9	+22.5%	
Service Area: McKinley County									
Los Alamos - UNM									
75-76 yr	(Include with N.N.M.C.C.)								
80-81 yr	17,599	126	140	88	18	977	12	144	122
Difference	N/A	N/A			N/A			N/A	
82-83 yr	19,967	290	69	93	21	950	7	311	64
Difference	+13.4%	+68.9%		+5	+16.6%		-5	+53.7%	
Service Area: Los Alamos County									

Institution	Svc Area pop.	ACADEMIC FTE	Ratio	%	VOCATIONAL FTE	Ratio	%	TOTAL FTE	Ratio
Valencia - UNM									
75-76 yr	N/A	N/A			N/A			N/A	
80-81 yr	N/A	N/A			N/A			N/A	
Difference	N/A	N/A			N/A			N/A	
82-83 yr	33,549	181	185	61	114	294	39	295	130
Difference	N/A	N/A			N/A			N/A	
Service Area: Valencia County									
Clovis - ENMU									
75-76 yr	43,300	372	116	61	235	184	39	607	71
80-81 yr	42,019	499	84	72	196	214	28	695	61
Difference	-3.0%	+34.1%		+11	-16.6%		-11		
82-83 yr	44,476	729	61	76	235	189	24	964	46
Difference	+5.8%	+46.1%		+ 4	+20.0%		- 4	+38.7%	
Service Area: Curry County									
Roswell - ENMU									
75-76 yr	47,600	549	87	55	443	108	45	992	48
80-81 yr	51,103	470	109	43	615	83	57	1085	47
Difference	+7.3%	-14.3%		-12	+38.8%		+12	+9.3%	
82-83 yr	56,003	424	132	31	966	58	69	1390	40
Difference	+9.5%	-9.9%		-12	+57.1%		+12		
Service Area: Chaves County									
New Mexico Junior College									
75-76 yr	51,600	617	84	69	281	184	31	898	58
80-81 yr	55,634	782	71	79	214	260	21	996	56
Difference	+7.8%	+20.2%		-10	+23.8%		-10	+10.9%	
82-83 yr	59,983	940	64	78	266	226	22	1206	50
Difference	+7.8%	+20.2%		-1	+24.3%		+1	+17.4%	
Service Area: Lea County									
San Juan College									
75-76 yr	64,500	438	147	72	172	375	28	610	106
80-81 yr	80,802	513	156	56	408	198	44	921	88
Difference	+25.3%	+17.1%		-16	+137%		+16	+50.9%	
82-83 yr	87,564	546	160	46	642	136	54	1188	74
Difference	+8.4%	+6.4%		-10	+57.4%		+10	+29.0%	
Service Area: San Juan County									

Institution	Svc Area pop.	ACADEMIC FTE	Ratio	%	VOCATIONAL FTE	Ratio	%	TOTAL FTE	Ratio
N.M.M.C.C.									
75-76 yr*	43,900	515	85	43	696	63	57	1211	36
80-81 yr	29,282	316	93	44	404	73	56	720	41
Difference	-33.3%	-38.6%		+1	-41.9%		-1	-40.5%	
82-83 yr**	30,631	395	78	44	502	61	56	897***	34
Difference	+4.6%	+25%		0	+25%		0		
Service Area: Rio Arriba County									
TOTALS									
75-76 yr	398,814	3979	100	67	1934	206	33	5913	68
80-81 yr	439,498	4174	105	64	2348	187	36	6522	67
Difference	+10.2%	+4.9%		-3	+21.4%		+3	+10.2%	
82-83 yr	505,423	4956	102	59	3471	102	41	8427	60
Difference	+15.0%	+18.7%		-5	+47.8%		+5	+29.2%	

*Data contains Los Alamos.
**N.N.M.C.C. Academic and Vocational FTE was not available. Breakdown made on past historical percentages.
***Summer semester not included.

Chart was developed utilizing enrollment data obtained from New Mexico State Board of Educational Finance; and population data from the Bureau of Business and Economic Research, University of New Mexico (and Carlsbad Public School District for Carlsbad-NMSU).

Santa Fe Community College Yearly FTE Enrollment Projections

Santa Fe Community College has just started their first full academic year. Fall 1984 enrollment of 544 FTE projects out to approximately 600 yearly FTE. Utilizing the estimated 600 yearly FTE and 1984 estimated service area population of 73,114 produces a ratio of 122. This ratio of 122 compares to the 1982-83 average yearly FTE to population ratio of New Mexico community colleges of 60. It is anticipated that SFCC will approximate the state average sometime between 1990 and 1995. This assumption is based upon the College having adequate physical facilities.

The following chart identifies anticipated yearly FTE for the years 1986, 1988, 1990, 1995 and 2000. The chart contains three projections titled "Low Yearly FTE Projections," "Mid Yearly FTE Projections" and "High Yearly FTE Projections." This report will utilize the "Mid Yearly FTE Projections"; in the future to be referred to as "Yearly FTE Projections" for space projection.

The breakdown between vocational and academic yearly FTE is based upon course offerings as outlined in the section entitled "Educational Programs." The following identifies the percentage breakdown of academic and vocational to the total:

Year	Vocational %	Academic %	Total %
1986	29	71	100
1988	35	65	100
1990	38	62	100
1995	38	62	100
2000	38	62	100

The final percentage of 38/62 approximates the present New Mexico average of 46/54 vocational/academic breakdown. Santa Fe will probably not achieve the statewide average, but will show a slightly higher academic percentage because of its socio-economic makeup.

SANTA FE COMMUNITY COLLEGE
Santa Fe, New Mexico

September 19, 1984

ACADEMIC/VOCATIONAL YEARLY FTE PROJECTIONS

LOW YEARLY FTE PROJECTIONS

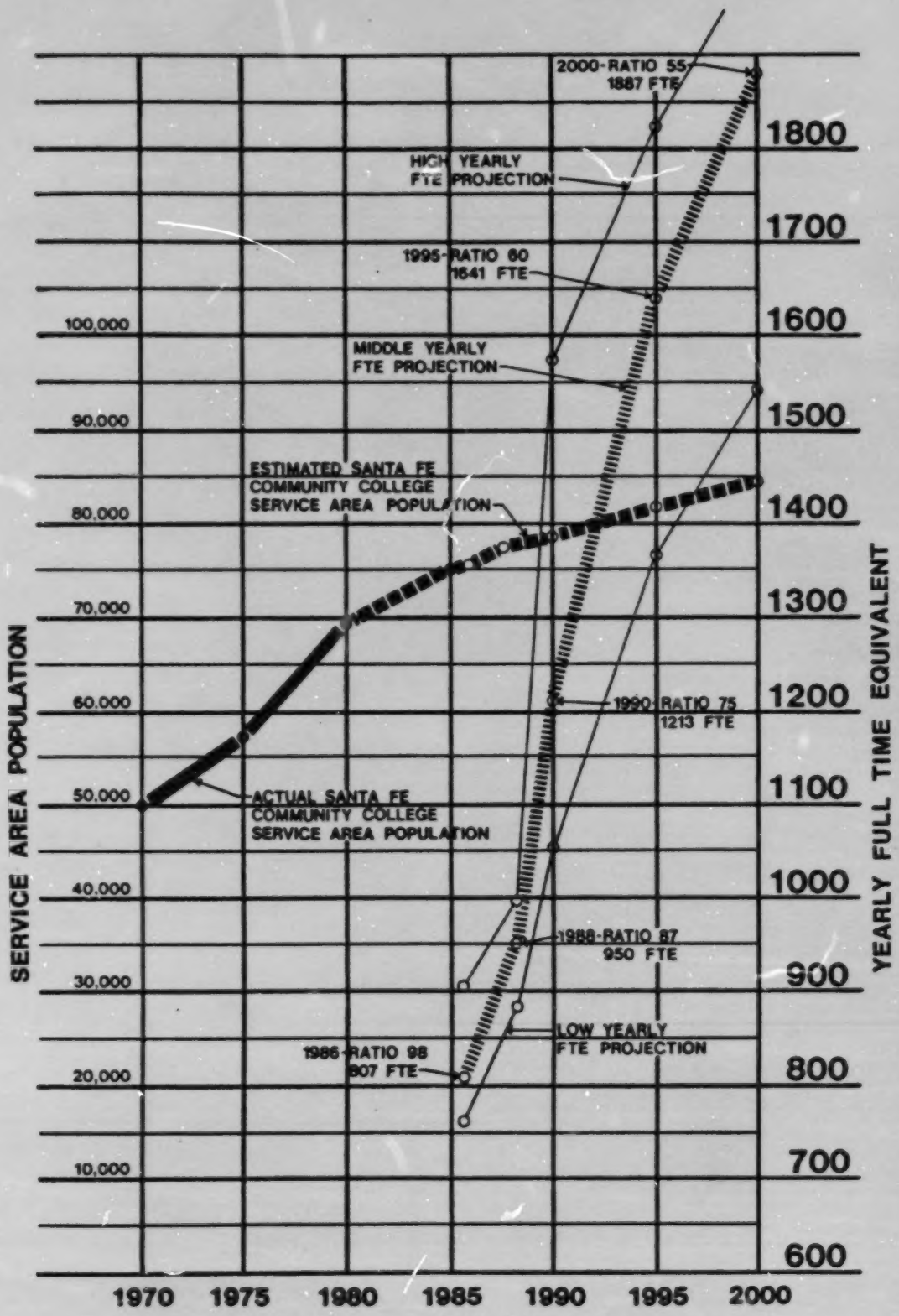
Year	Service Population	Academic Ratio	Academic FTE	Vocational Ratio	Vocational FTE	Total Ratio	Total FTE
1986	75,017	139	538	341	220	98	758
1988	76,931	134	575	249	309	87	884
1990	78,844	117	673	209	378	75	1,051
1995	82,064	97	848	158	520	60	1,368
2000	84,916	89	957	145	587	55	1,544

MID YEARLY FTE PROJECTIONS

Year	Service Population	Academic Ratio	Academic FTE	Vocational Ratio	Vocational FTE	Total Ratio	Total FTE
1986	75,017	131	573	321	234	93	807
1988	76,931	125	618	232	332	81	950
1990	78,844	102	776	180	437	65	1,213
1995	82,064	81	1,017	132	624	50	1,641
2000	84,916	73	1,170	118	717	45	1,887

HIGH YEARLY FTE PROJECTIONS

Year	Service Population	Academic Ratio	Academic FTE	Vocational Ratio	Vocational FTE	Total Ratio	Total FTE
1986	75,017	117	642	286	262	83	904
1988	76,931	119	649	220	350	77	999
1990	78,844	78	1,009	139	567	50	1,576
1995	82,064	73	1,131	118	693	45	1,824
2000	84,916	68	1,254	111	768	42	2,022



SANTA FE COMMUNITY COLLEGE
POPULATION / YEARLY FTE RATIO

35

Santa Fe Community College Enrollment Breakdown

The projection of instructional space needs requires a more detailed breakdown of projected enrollment. To understand what types and numbers of specific spaces are required to accommodate the Santa Fe Community College curriculum, it is necessary to project specific enrollments for specific courses.

The following chart identifies FTE enrollments for the nine clusters for the years 1986, 1988, 1990, 1995 and 2000. These projections are made based upon a percentage basis of the total yearly FTE enrollment projections. The percentage for each cluster was developed based upon anticipated course offerings of the College and breakdowns of curriculum from similar New Mexico institutions.

The yearly FTE projections identify the number of FTE generated on a yearly basis. To project instructional space requirements, it is necessary to know the enrollment for a given course at a given point in time, preferably at a point in time when space needs are the greatest. This point in time for most established community colleges is the fall semester. Historically, New Mexico community colleges generate from 88% to 92% of their yearly FTE in the fall semester, and the spring semester generally ranges from 80% to 88%.

The "FTE Projection Breakdown by Cluster" chart identifies fall semester FTEs for each cluster, based upon 90% of the yearly FTE for that cluster.

SANTA FE COMMUNITY COLLEGE
Santa Fe, New Mexico

September 19, 1984

MID YEAR FTE PROJECTIONS BY CLUSTER

Year: 1986

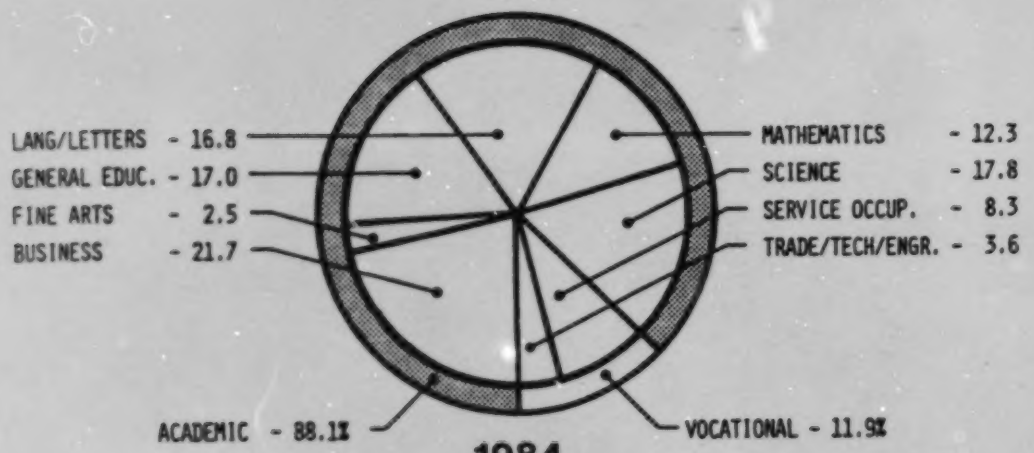
Cluster	Percent of Total FTE	Yearly FTE	Fall Semester FTE
Business	15.0	121	109
Fine Arts	4.0	32	29
General Educ.	16.0	129	116
Lang/Letters	12.0	97	87
Mathematics	10.0	81	73
Science	14.0	113	102
Academic Subtotal	(71.0)	(573)	(516)
Health	4.0	32	29
Service Occup.	12.0	97	87
Trade/Tech/Engr	13.0	105	95
Vocational Subtotal	(29.0)	(234)	(211)
Totals	100.0	807	727

Year: 1988

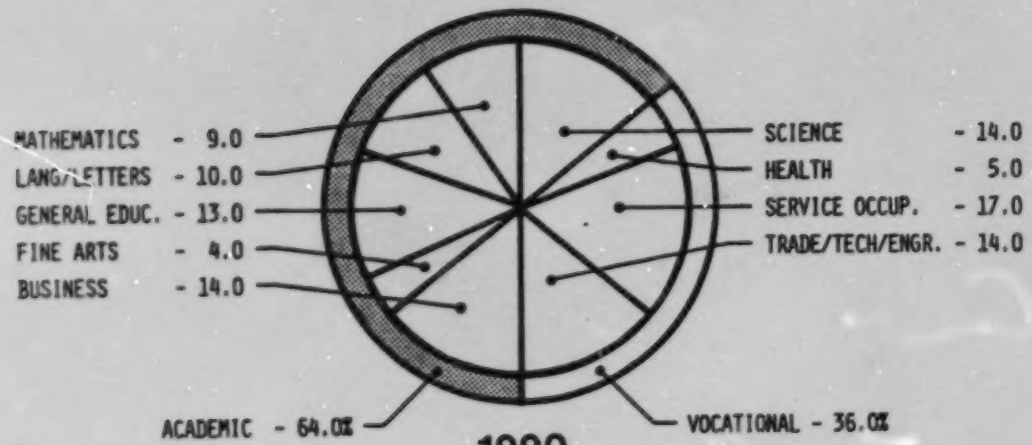
Cluster	Percent of Total FTE	Yearly FTE	Fall Semester FTE
Business	14.0	133	120
Fine Arts	4.0	38	34
General Educ.	14.0	133	120
Lang/Letters	10.0	95	85
Mathematics	9.0	86	77
Science	14.0	133	120
Academic Subtotal	(65.0)	(618)	(556)
Health	5.0	48	43
Service Occup.	16.5	156	141
Trade/Tech/Engr	13.5	128	115
Vocational Subtotal	(35.0)	(332)	(299)
Totals	100.0	950	855

MID YEAR FTE PROJECTIONS BY CLUSTER

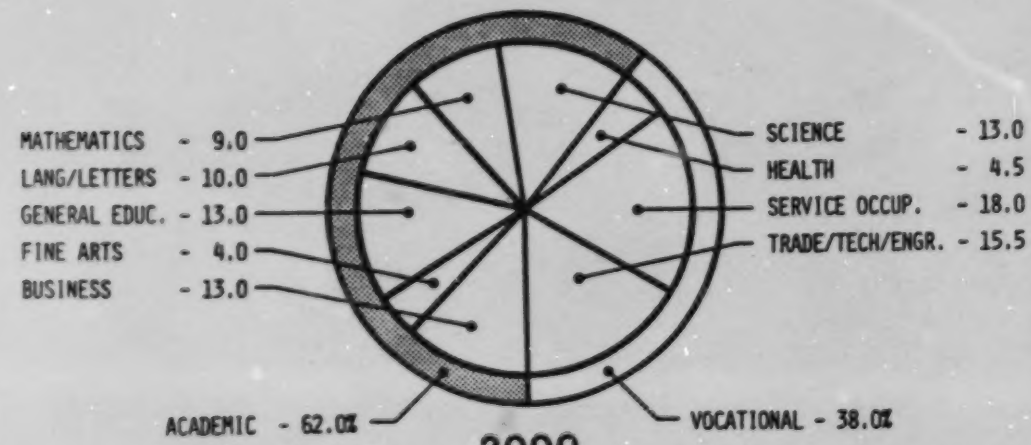
Cluster	Percent of Total FTE	Yearly FTE	Fall Semester FTE
Year: 1990			
Business	14.0	170	153
Fine Arts	4.0	49	44
General Educ.	13.0	158	142
Lang/Letters	10.0	121	109
Mathematics	9.0	110	98
Science	14.0	170	153
Academic Subtotal	(64.0)	(777)	(699)
Health	5.0	60	55
Service Occup.	17.0	206	185
Trade/Tech/Engr	14.0	170	153
Vocational Subtotal	(36.0)	(436)	(393)
Totals	100.0	1,213	1,092
Year: 1995			
Business	13.0	213	192
Fine Arts	4.0	66	59
General Educ.	13.0	213	192
Lang/Letters	10.0	164	147
Mathematics	9.0	148	133
Science	13.0	213	192
Academic Subtotal	(62.0)	(1,017)	(915)
Health	5.0	82	74
Service Occup.	18.0	296	267
Trade/Tech/Engr	15.0	246	221
Vocational Subtotal	(38.0)	(624)	(562)
Totals	100.0	1,641	1,477
Year: 2000			
Business	13.0	245	221
Fine Arts	4.0	76	67
General Educ.	13.0	245	221
Lang/Letters	10.0	189	170
Mathematics	9.0	170	153
Science	13.0	245	221
Academic Subtotal	(62.0)	(1,170)	(1,053)
Health	4.5	85	77
Service Occup.	18.0	340	306
Trade/Tech/Engr	15.5	292	263
Vocational Subtotal	(38.0)	(717)	(646)
Totals	100.0	1,887	1,699



1984
ACTUAL ENROLLMENT



1990



2000

CLUSTER BREAKDOWN

SANTA FE COMMUNITY COLLEGE

EDUCATIONAL PROGRAMS

Degree and Certificate Programs Currently Offered

Degrees:

- Associate in Arts (with majors in):
  - -- Liberal Arts
  - -- Business (with options in Business Administration and Accounting)
- Associate in Science
- Associate in Applied Science (with majors in):
  - -- Accounting
  - -- Architectural Drafting
  - -- Banking
  - -- Criminal Justice (with options in Corrections, Law Enforcement and Security)
  - -- Office Administrative Support Services
  - -- Surveying
  - -- Word Processing

Certificates:

- Accounting
- Architectural Drafting
- Banking
- Computers in Small Business
- Corrections
- General Business
- Surveying
- Word/Information Processing

Degree and Certificate Programs To Be Developed

- Nursing
- Health Care (including Medical Records and Emergency Medical Technology)
- Electronics
- Management
- Computer Science

- Small Business Management/Entrepreneurship
- Hotel/Motel/Restaurant Management
- Radio/Television/Film Technology
- Culinary Arts
- Human Services
- Public Administration
- Energy Technology
- Electro/Mechanical Drafting
- Paralegal Training
- Horticulture/Hydroponics
- Retail Management
- Custodial/Maintenance Technology
- Computer Technician
- Quality Control Technician

INSTRUCTIONAL SPACE NEEDS AND UTILIZATION

The previous section "ENROLLMENT PROJECTIONS," started with total yearly FTE projections. These yearly projections were then broken down into smaller units and time frames. The final chart of the previous section entitled "FTE Projection Breakdown By Cluster," identifies fall semester FTE projections for nine different clusters for five future years.

To project future instructional space needs will require a further breakdown of enrollment projections. By projecting the number of students and the hours they attend classes each week, it is possible to predict the required number of instructional spaces. The number of hours a student attends a course during one week is known as "Weekly Student Contact Hours" (WSCH). (Example: 20 students enrolled in a 3 credit hour chemistry course are required to attend classes 5 hours per week. This chemistry class generates 20 students x 5 hours/week = 100 WSCH.) Because WSCH accounts for every scheduled hour students attend credit courses, it will be the basis for projecting future instructional space needs for credit courses.

This section contains a series of computer generated charts which identify specific enrollment and instructional space needs for the years 1990, 1995 and 2000.

The following is an explanation of the charts and the methodology utilized in their development. The following numbered items are identified on the 1990 "Weekly Student Contact Hour and Space Needs" chart.

1. The first two pages of the chart are divided into nine different clusters, with totals for each.

2. Under the column heading "DEPT" each cluster is subdivided into various curriculum, i.e. Business Cluster, subdivided into three departments, Accounting, Business Administration and Management. These subdivisions or departments may contain several different sections and/or levels of curriculum.

3. The column "% FTE" identifies the FTE percentage for each department. This is a percentage of the specific cluster, i.e. Accounting is projected to generate 30% of the Business Cluster's FTE. These percentages were generated utilizing similar New Mexico community colleges as models and through SFCC staff interviews.

4. The column "PROJ FTE" converts the "% FTE" into actual projected fall FTE, i.e. Accounting 30% x Business Cluster total of 85.2 (see "FTE Projection Breakdown by Cluster," 1990 chart) = 25.5 FTE.

5. The "DAY/NT" column identifies what percentage of the departments is projected to be day courses, i.e. Accounting 0.80 indicates 80% of the FTE is to be generated during the day, the remaining 20% will be night generated.

6. The next column "WSCH" is subdivided into two columns "DAY" and "NIGHT." These columns contain the projected WSCH for day and night attendance. The WSCH has been generated by multiplying the projected day and night FTE by a conversion factor. This conversion factor varies with the type of course.

EXAMPLE: Accounting Department
25.5 (Projected FTE) x .80 (Day) = 20.4 FTE (Day)

20.4 Day FTE x 20 Factor = 409 WSCH (Day)
The same process is utilized to generate night WSCH.

The 20 factor in the above example indicates that most accounting courses will require a student to attend class 4 hours per week for 3 hours credit. A factor of 25 would

indicate that students would attend class 5 hours per week for 3 hours credit, etc.

7. The last major column "SPACE NEEDS" is subdivided into five columns: "DAY," "NIGHT," "CODE," "ROOM TYPE" and "STAT." The last three columns identify the room code, room type and the number of stations required to accommodate the specific curriculum, i.e. Accounting requires a 30 station Accounting Lab. The first two columns identify the Day and Night utilization factor anticipated for the specific space based upon its station size, projected WSCH enrollment and utilization or scheduling factor. The following process was used to generate the Day and Night space utilization or space requirements.

   EXAMPLE: Accounting
   The following identifies the realistic capacity of the 30 station Accounting Lab.

   DAY USAGE
   30 station room x 5 days usage x 8 hours/day = 1200 WSCH
   1200 WSCH (maximum day capacity) x 60% scheduling factor = 720 WSCH

   NIGHT USAGE
   30 station room x 5 days usage x 4 hours/night = 600 WSCH
   600 WSCH (maximum night capacity) x 75% = 450 WSCH

The above shows the Accounting Lab capacity adjusted for scheduling factors. The scheduling factor takes into consideration times when class sizes are not 30 and times during the day when it is difficult to schedule classes, such as 12:00 noon and 5:00 p.m.

The following identifies how space requirements or utilization are determined:

By dividing the projected night WSCH of 409 by the day capacity of the Accounting Lab of 720 WSCH, a utilization factor of 0.6 is achieved. This can be interpreted two different ways. One, it

indicates that the 30 station Accounting Lab will be 60% full in the fall of 1990; or second, it will require .8 (rounded to one) of an Accounting Lab to accommodate the projected Fall 1990 enrollment.

The first two pages entitled "WEEKLY STUDENT CONTACT HOUR AND SPACE NEEDS," of the chart(s) identify the space utilization or required space for each department of the nine clusters. The following three pages entitled "SPACE NEEDS" summarize the space needs for night usage only, day usage only and the combined day/night usage. It is the final page of the chart(s) that identify the required instructional space needs for the given years.

The following is an explanation of the eight (8) columns contained on these last three pages and the methodology utilized to develop this report.

8. The first column is a space code utilized by the computer to identify the different spaces, i.e. code B01 identifies a 30 station Accounting Lab.
9. The "DESCRIPTION" column identifies the space type.
10. The "QUANTITY" column identifies the required quantity for the given space. These quantities are a total of all cluster needs.
11. The "SCH F" column identifies any adjustments required as a result of scheduling factors. Most spaces do not require any adjustment; however, an adjustment is required for General Classroom because they are utilized by so many different departments. There will be many hours during the day or night when more than the seven (7) classrooms (as identified by the quantity column) will be required. The scheduling factor of 4.0 provides for those overlapping uses.

12. The "ADJ QUAN" column identifies the adjusted and rounded up space requirements. It is this quantity that is utilized to determine net area requirements for each space.
13. The "STAT" column identifies the number of student stations for each space.
14. The "UNIT AREA" column identifes the square footage assigned to the various space type. Detail breakdown of the various space type square footage are contained in the next section entitled "SPACE REQUIREMENTS." The net area identified may be a single room or a series of spaces.
15. The "NET AREA" column identifies the project net square footage requirement for that specific space. The total of this column identifies the total required net square feet of instructional space. The net area requirements for each space type is achieved by multiplying the adjusted quantity by a space standard which was developed through interviews with staff.

Space requirements contained in this section are scheduled instructional space requirements, and do not address the various required instructional support facilities, i.e. Library and Media Center, Administration, etc. The next section, entitled "Space Analysis" addresses these required facility needs.

YEAR:1990
SANTA FE COMMUNITY COLLEGE
WEEKLY STUDENT CONTACT HOUR AND SPACE NEEDS

Department	(3) FTE %	(4) FTE	(5) Day/Nt	(6) WSCH Day	WSCH Night	(7) Space Needs Day	Space Needs Night	Code	Room Type	Stat
BUSINESS (1)										
Acct	60.0	91.8	.70	1285	551	1.8	1.2	B01	Acct Lab	30
BA (2)	30.0	45.9	.70	643	275	.9	.6	A02	Gen Clrm	30
Mgt	10.0	15.3	.70	214	92	.3	.2	A02	Gen Clrm	30
TOTALS	100.0	153.0		2142	917					
FINE ARTS										
Design	20.0	8.8	.75	132	44	.3	.1	B04	Design Studio	20
Drama	10.0	4.4	1.00	88	0	.1	0.0	D01	Multi Purp Lab	60
Music	20.0	8.8	1.00	176	0	.1	0.0	D01	Multi Purp Lab	60
Ceramics	15.0	6.6	.75	124	41	.3	.1	B05	Ceramics Studio	20
Dwg/Paint	25.0	11.0	.75	206	69	.4	.2	B06	Dwg/Pt Studio	20
Jewelry	10.0	4.4	.75	83	27	.2	.1	B04	Design Studio	20
TOTALS	100.0	44.0		809	181					
GENERAL EDU										
Gen Ed	88.0	125.0	.70	1313	562	1.8	1.2	A02	Gen Clrm	30
PE	7.0	9.9	.70	139	59	.1	.1	D02	Phy Fit Cpx	60
Archeology	5.0	7.1	.80	114	28	.2	.1	C04	Earth/Phy Sci	24
TOTALS	100.0	142.0		1566	649					
LANG/LETTER										
English	80.0	87.2	.70	916	392	1.3	.9	A02	Gen Clrm	30
Journalism	2.0	2.2	1.00	44	0	.1	0.0	B03	Journ Lab	20
Language	10.0	10.9	.70	115	49	.2	.1	A02	Gen Clrm	30
Speech	8.0	8.7	.70	92	39	.1	.1	A02	Gen Clrm	30
TOTALS	100.0	109.0		1167	480					
MATHEMATICS										
Math	100.0	98.0	.70	1029	441	1.4	1.0	A02	Gen Clrm	30
TOTALS	100.0	98.0		1029	441					
SCIENCE										
Biology	10.0	15.3	.80	246	61	.4	.2	C01	Bio Lab Cpx	24
Chemistry	8.0	12.2	.70	171	73	.3	.2	C02	Chem Lab Cpx	24
Physics	3.0	4.6	.70	64	27	.1	.1	C03	Phy Lab Cpx	24
Earth/Phy S	8.0	12.2	.70	171	73	.3	.2	C04	Earth/Phy Sci	24
Computer	65.0	99.5	.80	1989	497	1.7	.7	B02	Comput Lab Cpx	50
Computer/Gr	6.0	9.2	.90	207	23	.2	.0	B02	Comput Lab Cpx	50
TOTALS	100.0	153.0		2848	755					
HEALTH OCCU										
Nursing	60.0	33.0	.70	693	297	.7	.5	D03	Health Svc Cpx	40
EM Med	15.0	8.2	.70	174	75	.3	.2	D04	EM Med Lab	25
Health Care	25.0	13.8	.70	290	125	.5	.3	D05	Health Care Lab	25
TOTALS	100.0	55.0		1157	497					

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SERVICE OCC										
Typing	21.0	38.9	.70	816	350	1.1	.8	E01	Typing Lab	30
Word Proces	26.0	48.1	.60	866	577	1.8	1.9	E02	Word Proc Lab	20
Retail	8.0	14.8	.70	311	133	.6	.4	E03	Retail Mkt Lab	20
Hotel	7.0	13.0	.70	272	116	.6	.4	E04	Hotel Lab	20
Advertising	2.0	3.7	.70	78	33	.1	.1	A02	Gen Clrm	30
Recreation	7.0	13.0	.70	182	78	.3	.2	A02	Gen Clrm	30
Human Serv	6.0	11.1	.70	194	84	.3	.2	A02	Gen Clrm	30
Radio/TV	4.0	7.4	.40	89	133	.2	.4	D06	Telecom Cpx	20
Travel Agt	2.0	3.7	.70	52	22	.1	.0	A02	Gen Clrm	30
Deaf Ins	2.0	3.7	.70	78	33	.1	.1	A02	Gen Clrm	30
Shorthand	5.0	9.2	.80	184	46	.4	.2	E05	Shthand Lab	20
Culinary Ar	8.0	14.8	.80	357	89	.7	.3	E06	Cul Arts Cpx	20
Child Care	2.0	3.7	.80	74	18	.2	.1	E09	Child Care Cpx	20
TOTAL	100.0	185.0		3479	1694					
TRADE/TECH/NGR										
Draft	15.0	22.9	.70	402	172	.8	.6	E07	Draft Lab Cpx	20
Survey	12.0	18.4	.70	320	138	.7	.5	E08	Survey Lab	20
Maint	9.0	13.8	.70	241	103	.5	.3	F01	Jan/Maint Shop	20
Electronics	18.0	27.5	.60	413	275	.9	.9	F02	Electro Lab Cpx	20
Elect	10.0	15.3	.70	266	115	.6	.4	F03	Elect Lab Cpx	20
Digital Ele	15.0	22.9	.60	344	230	.7	.8	F04	Dig/Rob Lab Cpx	20
Energ Prog	12.0	18.4	.70	322	138	.7	.5	F05	Gen Purp Lab	20
Hort	9.0	13.8	.70	240	103	.7	.5	F06	Hort Lab Cpx	15
TOTALS	100.0	153.0		2549	1275					

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Year: 1990
Day Space Needs

(8) Code	(9) Description	(10) Quantity	(11) Sch F	(12) Adj Quan	(13) Stat	(14) Unit Area	(15) Net Area
A02	General Clrm	6.8	4.0	28	30	600	16,800
B01	Acct Lab	1.8	1.0	2	30	900	1,800
B02	Comput Lab Cpx	1.8	1.0	2	50	3,050	6,100
B03	Journ Lab Cpx	.1	1.0	1	20	900	900
B04	Design Studio	.4	1.0	1	20	1,600	1,600
B05	Ceramics Studio	.3	1.0	1	20	1,240	1,240
B06	Dwg/Paint Studio	.4	1.0	1	20	1,400	1,400
C01	Bio Lab Cpx	.4	1.0	1	24	2,160	2,160
C02	Chem Lab Cpx	.3	1.0	1	24	2,160	2,160
C03	Phy Lab Cpx	.1	1.0	1	24	2,160	2,160
C04	Earth/Phy Lab Cpx	.5	1.0	1	24	2,160	2,160
D01	Multi Purpose Lab	.2	1.0	1	60	2,930	2,930
D02	Physical Fit Cpx	.1	1.0	1	60	32,400	32,400
D03	Health Svc Cpx	.7	1.0	1	40	2,250	2,250
D04	EH Med Lab	.3	1.0	1	25	850	850
D05	Health Care Lab	.5	1.0	1	25	800	800
D06	Telecom Cpx	.2	1.0	1	20	2,450	2,450
E01	Typing Lab Cpx	1.1	1.0	2	30	1,350	2,700
E02	Word Proc Lab Cpx	1.8	1.0	2	20	1,400	2,800
E03	Retail Mkt Lab	.6	1.0	1	20	1,350	1,350
E04	Hotel/Motel Lab	.6	1.0	1	20	1,400	1,400
E05	Shorthd Lab Cpx	.4	1.0	1	20	1,000	1,000
E06	Cul Arts Lab Cpx	.7	1.0	1	20	2,800	2,800
E07	Drafting Lab	.8	1.0	1	24	1,450	1,450
E08	Survey Lab	.7	1.0	1	20	1,100	1,100
E09	Child Care Cpx	.2	1.0	1	20	2,400	2,400
F01	Jan/Maint Shop	.5	1.0	1	20	3,500	3,500
F02	Electronics Lab	.9	1.0	1	20	1,400	1,400
F03	Electrical Lab	.6	1.0	1	20	1,200	1,200
F04	Digital/Rob Lab	.7	1.0	1	20	1,800	1,800
F05	Gen Purpose Lab	.7	1.0	1	20	1,200	1,200
F06	Hort Lab Cpx	.7	1.0	1	15	900	900
Total Net Sq Ft							107,160

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Year: 1990
Night Space Needs

Code	Description	Quantity	Sch F	Adj Quan	Stat	Unit Area	Net Area
A02	General Clrm	4.7	6.0	29	30	600	17,400
B01	Acct Lab	1.2	1.0	2	30	900	1,800
B02	Comput Lab Cpx	.7	1.0	1	50	3,050	3,050
B03	Journ Lab Cpx	0.0	1.0	0	20	900	0
B04	Design Studio	.2	1.0	1	20	1,600	1,600
B05	Ceramics Studio	.1	1.0	1	20	1,240	1,240
B06	Dwg/Paint Studio	.2	1.0	1	20	1,400	1,400
C01	Bio Lab Cpx	.2	1.0	1	24	2,160	2,160
C02	Chem Lab Cpx	.2	1.0	1	24	2,160	2,160
C03	Phy Lab Cpx	.1	1.0	1	24	2,160	2,160
C04	Earth/Phy Lab Cpx	.3	1.0	1	24	2,160	2,160
D01	Multi Purpose Lab	0.0	1.0	0	60	2,930	0
D02	Physical Fit Cpx	.1	1.0	1	60	32,400	32,400
D03	Health Svc Cpx	.5	1.0	1	40	2,250	2,250
D04	EM Med Lab	.2	1.0	1	25	850	850
D05	Health Care Lab	.3	1.0	1	25	800	800
D06	Telecom Cpx	.4	1.0	1	20	2,450	2,450
E01	Typing Lab Cpx	.8	1.0	1	30	1,350	1,350
E02	Word Proc Lab Cpx	1.9	1.0	2	20	1,400	2,800
E03	Retail Mkt Lab	.4	1.0	1	20	1,350	1,350
E04	Hotel/Motel Lab	.4	1.0	1	20	1,400	1,400
E05	Shorthd Lab Cpx	.2	1.0	1	20	1,000	1,000
E06	Cul Arts Lab Cpx	.3	1.0	1	20	2,800	2,800
E07	Drafting Lab	.6	1.0	1	24	1,450	1,450
E08	Survey Lab	.5	1.0	1	20	1,100	1,100
E09	Child Care Cpx	.1	1.0	1	20	2,400	2,400
F01	Jan/Maint Shop	.3	1.0	1	20	3,500	3,500
F02	Electronics Lab	.9	1.0	1	20	1,400	1,400
F03	Electrical Lab	.4	1.0	1	20	1,200	1,200
F04	Digital/Rob Lab	.8	1.0	1	20	1,800	1,800
F05	Gen Purpose Lab	.5	1.0	1	20	1,200	1,200
F06	Hort Lab Cpx	.5	1.0	1	15	900	900
Total Net Sq Ft							99,530

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Year:1990
Total Space Needs

Code	Description	Quantity	Sch F	Adj Quan	Stat	Unit Area	Net Area
A02	General Clrm	4.7	6.0	29	30	600	17,400
B01	Acct Lab	1.8	1.0	2	30	900	1,800
B02	Coaput Lab Cpx	1.8	1.0	2	50	3,050	6,100
B03	Journ Lab Cpx	.1	1.0	1	20	900	900
B04	Design Studio	.4	1.0	1	20	1,600	1,600
B05	Ceramics Studio	.3	1.0	1	20	1,240	1,240
B06	Dwg/Paint Studio	.4	1.0	1	20	1,400	1,400
C01	Bio Lab Cpx	.4	1.0	1	24	2,160	2,160
C02	Chem Lab Cpx	.3	1.0	1	24	2,160	2,160
C03	Phy Lab Cpx	.1	1.0	1	24	2,160	2,160
C04	Earth/Phy Lab Cpx	.5	1.0	1	24	2,160	2,160
D01	Multi Purpose Lab	.2	1.0	1	60	2,930	2,930
D02	Physical Fit Cpx	.1	1.0	1	60	32,400	32,400
D03	Health Svc Cpx	.7	1.0	1	40	2,250	2,250
D04	EM Med Lab	.3	1.0	1	25	850	850
D05	Health Care Lab	.5	1.0	1	25	800	800
D06	Telecom Cpx	.4	1.0	1	20	2,450	2,450
E01	Typing Lab Cpx	1.1	1.0	2	30	1,350	2,700
E02	Word Proc Lab Cpx	1.9	1.0	2	20	1,400	2,800
E03	Retail Mkt Lab	.6	1.0	1	20	1,350	1,350
E04	Hotel/Motel Lab	.6	1.0	1	20	1,400	1,400
E05	Shorthd Lab Cpx	.4	1.0	1	20	1,000	1,000
E06	Cul Arts Lab Cpx	.7	1.0	1	20	2,800	2,800
E07	Drafting Lab	.8	1.0	1	24	1,450	1,450
E08	Survey Lab	.7	1.0	1	20	1,100	1,100
E09	Child Care Cpx	.2	1.0	1	20	2,400	2,400
F01	Jan/Maint Shop	.5	1.0	1	20	3,500	3,500
F02	Electronics Lab	.9	1.0	1	20	1,400	1,400
F03	Electrical Lab	.6	1.0	1	20	1,200	1,200
F04	Digital/Rob Lab	.7	1.0	1	20	1,800	1,800
F05	Gen Purpose Lab	.7	1.0	1	20	1,200	1,200
F06	Hort Lab Cpx	.7	1.0	1	15	900	900
Total Net Sq Ft							107,760

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YEAR:1995
SANTA FE COMMUNITY COLLEGE
WEEKLY STUDENT CONTACT HOUR AND SPACE NEEDS

Department	FTE %	FTE	Day/Nt	WSCH Day	WSCH Night	Space Needs Day	Space Needs Night	Code	Room Type	Stat
BUSINESS										
Acct	50.0	96.0	.70	1344	576	1.9	1.3	B01	Acct Lab	30
BA	30.0	57.6	.70	807	345	1.1	.8	A02	Gen Clrm	30
Mgt	20.0	38.4	.70	538	230	.7	.5	A02	Gen Clrm	30
TOTALS	100.0	192.0		2689	1151					
FINE ARTS										
Design	20.0	11.8	.75	177	59	.4	.2	B04	Design Studio	20
Drama	10.0	5.9	1.00	118	0	.1	0.0	D01	Multi Purp Lab	60
Music	20.0	11.8	1.00	236	0	.2	0.0	D01	Multi Purp Lab	60
Ceramics	15.0	8.8	.75	166	55	.3	.2	B05	Ceramics Studio	20
Dwg/Paint	25.0	14.8	.75	276	93	.6	.3	B06	Dwg/Pt Studio	20
Jewelry	10.0	5.9	.75	111	36	.2	.1	B04	Design Studio	20
TOTALS	100.0	59.0		1085	243					
GENERAL EDU										
Gen Ed	88.0	169.0	.70	1775	760	2.5	1.7	A02	Gen Clrm	30
PE	7.0	13.4	.70	188	80	.1	.1	D02	Phy Fit Cpx	60
Archeology	5.0	9.6	.80	154	38	.3	.1	C04	Earth/Phy Sci	24
TOTALS	100.0	192.0		2117	877					
LANG/LETTER										
English	80.0	117.6	.70	1236	528	1.7	1.2	A02	Gen Clrm	30
Journalism	2.0	2.9	1.00	59	0	.1	0.0	B03	Journ Lab	20
Language	10.0	14.7	.70	155	66	.2	.1	A02	Gen Clrm	30
Speech	8.0	11.8	.70	124	53	.2	.1	A02	Gen Clrm	30
TOTALS	100.0	147.0		1574	647					
MATHEMATICS										
Math	100.0	133.0	.70	1396	599	1.9	1.3	A02	Gen Clrm	30
TOTALS	100.0	133.0		1396	599					
SCIENCE										
Biology	12.0	23.0	.80	370	92	.6	.3	C01	Bio Lab Cpx	24
Chemistry	8.0	15.4	.70	215	92	.4	.3	C02	Chem Lab Cpx	24
Physics	6.0	11.5	.70	162	69	.3	.2	C03	Phy Lab Cpx	24
Earth/Phy S	8.0	15.4	.70	215	92	.4	.3	C04	Earth/Phy Sci	24
Computer	60.0	115.2	.70	2016	864	1.7	1.2	B02	Comput Lab Cpx	50
Computer/Gr	6.0	11.5	.80	231	58	.2	.1	B02	Comput Lab Cpx	50
TOTALS	100.0	192.0		3208	1266					
HEALTH OCCU										
Nursing	58.0	42.9	.65	837	450	.9	.8	D03	Health Svc Cpx	40
EM Med	18.0	13.3	.70	281	121	.5	.3	D04	EM Med Lab	25
Health Care	18.0	13.3	.70	281	121	.5	.3	D05	Health Care Lab	25
Med Tech	6.0	4.4	.70	93	40	.4	.3	D06	Med Tech Lab	10
TOTALS	100.0	74.0		1399	692					

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SERVICE OCC										
Typing	20.0	53.4	.70	1122	481	1.6	1.1	E01	Typing Lab	30
Word Proces	24.0	64.1	.60	1154	768	2.4	2.6	E02	Word Proc Lab	20
Retail	8.0	21.4	.70	449	192	.9	.6	E03	Retail Mkt Lab	20
Hotel	7.0	18.7	.70	393	168	.8	.6	E04	Hotel Lab	20
Advertising	3.0	8.0	.70	169	71	.3	.2	A02	Gen Clrm	30
Recreation	7.0	18.7	.70	263	[illegible]	.4	.3	A02	Gen Clrm	30
Human Serv	6.0	16.0	.70	280	121	.4	.3	A02	Gen Clrm	30
Radio/TV	5.0	13.3	.40	161	240	.3	.8	D06	Telecom Cpx	20
Travel Agt	3.0	8.0	.70	113	48	.2	.1	A02	Gen Clrm	30
Deaf Ins	3.0	8.0	.70	169	71	.2	.2	A02	Gen Clrm	30
Shorthand	5.0	13.3	.80	266	66	.6	.2	E05	Shthand Lab	20
Culinary Ar	7.0	18.7	.70	394	168	.8	.6	E06	Cul Arts Cpx	20
Child Care	2.0	5.3	.80	107	27	.2	.1	E09	Child Care Cpx	20
TOTAL	100.0	267.0		4931	2509					
TRADE/TECH/MGR										
Draft	12.0	26.5	.65	432	233	.9	.8	E07	Draft Lab Cpx	20
Survey	10.0	22.1	.70	385	166	.8	.6	E08	Survey Lab	20
Maint	10.0	22.1	.65	360	194	.7	.6	F01	Jan/Maint Shop	20
Electronics	12.0	26.5	.60	398	265	.8	.9	F02	Electro Lab Cpx	20
Elect	10.0	22.1	.70	385	166	.8	.6	F03	Elect Lab Cpx	20
Digital Ele	11.0	24.3	.60	365	243	.8	.8	F04	Dig/Rob Lab Cpx	20
Emerg Prog	11.0	24.3	.70	426	183	.9	.6	F05	Gen Purp Lab 1	20
Emerg Prog	8.0	17.7	.70	310	133	.6	.4	F05	Gen Purp Lab 2	20
Emerg Prog	8.0	17.7	.70	310	133	.6	.4	F05	Gen Purp Lab 3	20
Hort	8.0	17.7	.70	308	133	.9	.6	F06	Hort Lab Cpx	15
TOTALS	100.0	221.0		3677	1848					

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SPACE NEEDS
Year:1995

Day Code	Space Needs Description	Quantity	Sch F	Adj Quan	Stat	Unit Area	Net Area
A02	General Clrm	9.8	4.0	41	30	600	24,600
B01	Acct Lab	1.9	1.0	2	30	900	1,800
B02	Comput Lab Cpx	2.1	1.0	3	50	3,050	9,150
B03	Journ Lab Cpx	.1	1.0	1	20	900	900
B04	Design Studio	.6	1.0	1	20	1,600	1,600
B05	Ceramics Studio	.3	1.0	1	20	1,240	1,240
B06	Dwg/Paint Studio	.6	1.0	1	20	1,400	1,400
C01	Bio Lab Cpx	.6	1.0	1	24	2,160	2,160
C02	Chem Lab Cpx	.4	1.0	1	24	2,160	2,160
C03	Phy Lab Cpx	.3	1.0	1	24	2,160	2,160
C04	Earth/Phy Lab Cpx	.6	1.0	1	24	2,160	2,160
D01	Multi Purpose Lab	.2	1.0	1	60	2,930	2,930
D02	Physical Fit Cpx	.1	1.0	1	60	32,400	32,400
D03	Health Svc Cpx	.9	1.0	1	40	2,250	2,250
D04	EM Med Lab	.5	1.0	1	25	850	850
D05	Health Care Lab	.5	1.0	1	25	800	800
D06	Telecom Cpx	.3	1.0	1	20	2,450	2,450
D07	Med Tech Lab	.4	1.0	1	10	600	600
E01	Typing Lab Cpx	1.6	1.0	2	30	1,350	2,700
E02	Word Proc Lab Cpx	2.4	1.0	2	20	1,400	2,800
E03	Retail Mkt Lab	.9	1.0	1	20	1,350	1,350
E04	Hotel/Motel Lab	.8	1.0	1	20	1,400	1,400
E05	Shorthd Lab Cpx	.6	1.0	1	20	1,000	1,000
E06	Cul Arts Lab Cpx	.9	1.0	1	20	2,800	2,800
E07	Drafting Lab	1.0	1.0	1	24	1,450	1,450
E08	Survey Lab	.8	1.0	1	20	1,100	1,100
E09	Child Care Cpx	.2	1.0	1	20	2,400	2,400
F01	Jan/Maint Shop	.7	1.0	1	20	3,500	3,500
F02	Electronics Lab	.8	1.0	1	20	1,400	1,400
F03	Electrical Lab	.8	1.0	1	20	1,200	1,200
F04	Digital/Rob Lab	.8	1.0	1	20	1,800	1,800
F05	Gen Purpose Lab	.9	1.0	1	20	1,200	1,200
F06	Hort Lab Cpx	.9	1.0	1	15	900	900
Total Net Sq Ft							118,610

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SPACE NEEDS
Year:1995
Night Space Needs

Code	Description	Quantity	Sch F	Adj Quan	Stat	Unit Area	Net Area
A02	General Clrm	6.7	6.0	42	30	600	25,200
B01	Acct Lab	1.3	1.0	1	30	900	900
B02	Comput Lab Cpx	.8	1.0	1	50	3,050	3,050
B03	Journ Lab Cpx	0.0	1.0	0	20	900	0
B04	Design Studio	.3	1.0	1	20	1,600	1,600
B05	Ceramics Studio	.2	1.0	1	20	1,240	1,240
B06	Dwg/Paint Studio	.3	1.0	1	20	1,400	1,400
C01	Bio Lab Cpx	.3	1.0	1	24	2,160	2,160
C02	Chem Lab Cpx	.3	1.0	1	24	2,160	2,160
C03	Phy Lab Cpx	.2	1.0	1	24	2,160	2,160
C04	Earth/Phy Lab Cpx	.4	1.0	1	24	2,160	2,160
D01	Multi Purpose Lab	0.0	1.0	0	60	2,930	0
D02	Physical Fit Cpx	.1	1.0	1	60	32,400	32,400
D03	Health Svc Cpx	.6	1.0	1	40	2,250	2,250
D04	EM Med Lab	.3	1.0	1	25	850	850
D05	Health Care Lab	.3	1.0	1	25	800	800
D06	Telecom Cpx	.8	1.0	1	20	2,450	2,450
D07	Med Tech Lab	.3	1.0	1	10	600	600
E01	Typing Lab Cpx	1.1	1.0	2	30	1,350	2,700
E02	Word Proc Lab Cpx	2.6	1.0	3	20	1,400	4,200
E03	Retail Mkt Lab	.6	1.0	1	20	1,350	1,350
E04	Hotel/Motel Lab	.6	1.0	1	20	1,400	1,400
E05	Shorthd Lab Cpx	.2	1.0	1	20	1,000	1,000
E06	Cul Arts Lab Cpx	.4	1.0	1	20	2,800	2,800
E07	Drafting Lab	.7	1.0	1	24	1,450	1,450
E08	Survey Lab	.6	1.0	1	20	1,100	1,100
E09	Child Care Cpx	.1	1.0	1	20	2,400	2,400
F01	Jan/Maint Shop	.6	1.0	1	20	3,500	3,500
F02	Electronics Lab	.9	1.0	1	20	1,400	1,400
F03	Electrical Lab	.6	1.0	1	20	1,200	1,200
F04	Digital/Rob Lab	.8	1.0	1	20	1,800	1,800
F05	Gen Purpose Lab	.6	1.0	1	20	1,200	1,200
F06	Hort Lab Cpx	.6	1.0	1	15	900	900
Total Net Sq Ft							109,780

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SPACE NEEDS
Year:1995
Total Space Needs

Code	Description	Quantity	Sch F	Adj Quan	Stat	Unit Area	Net Area
A02	General Clrm	6.7	6.0	42	30	600	25,200
B01	Acct Lab	1.9	1.0	2	30	900	1,800
B02	Comput Lab Cpx	2.1	1.0	3	50	3,050	9,150
B03	Journ Lab Cpx	.1	1.0	1	20	900	900
B04	Design Studio	.6	1.0	1	20	1,600	1,600
B05	Ceramics Studio	.3	1.0	1	20	1,240	1,240
B06	Dwg/Paint Studio	.6	1.0	1	20	1,400	1,400
C01	Bio Lab Cpx	.6	1.0	1	24	2,160	2,160
C02	Chem Lab Cpx	.4	1.0	1	24	2,160	2,160
C03	Phy Lab Cpx	.3	1.0	1	24	2,160	2,160
C04	Earth/Phy Lab Cpx	.6	1.0	1	24	2,160	2,160
D01	Multi Purpose Lab	.2	1.0	1	60	2,930	2,930
D02	Physical Fit Cpx	.1	1.0	1	60	32,400	32,400
D03	Health Svc Cpx	.9	1.0	1	40	2,250	2,250
D04	EM Med Lab	.5	1.0	1	25	850	850
D05	Health Care Lab	.5	1.0	1	25	800	800
D06	Telecom Cpx	.8	1.0	1	20	2,450	2,450
D07	Med Tech Lab	.4	1.0	1	10	600	600
E01	Typing Lab Cpx	1.6	1.0	2	30	1,350	2,700
E02	Word Proc Lab Cpx	2.6	1.0	3	20	1,400	4,200
E03	Retail Mkt Lab	.9	1.0	1	20	1,350	1,350
E04	Hotel/Motel Lab	.8	1.0	1	20	1,400	1,400
E05	Shorthd Lab Cpx	.6	1.0	1	20	1,000	1,000
E06	Cul Arts Lab Cpx	.9	1.0	1	20	2,800	2,800
E07	Drafting Lab	1.0	1.0	1	24	1,450	1,450
E08	Survey Lab	.8	1.0	1	20	1,100	1,100
E09	Child Care Cpx	.2	1.0	1	20	2,400	2,400
F01	Jan/Maint Shop	.7	1.0	1	20	3,500	3,500
F02	Electronics Lab	.9	1.0	2	20	1,400	1,400
F03	Electrical Lab	.8	1.0	1	20	1,200	1,200
F04	Digital/Rob Lab	.8	1.0	1	20	1,800	1,800
F05	Gen Purpose Lab	.9	1.0	1	20	1,200	1,200
F06	Hort Lab Cpx	.9	1.0	1	15	900	900
Total Net Sq Ft							120,610

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YEAR:2000
SANTA FE COMMUNITY COLLEGE
WEEKLY STUDENT CONTACT HOUR AND SPACE NEEDS

Department	FTE %	FTE	Day/Nt	WSCH Day	WSCH Night	Space Needs Day	Space Needs Night	Code	Room Type	Stat
BUSINESS										
Acct	40.0	88.4	.70	1238	530	1.7	1.2	B01	Acct Lab	30
BA	30.0	66.3	.70	929	397	1.3	.9	A02	Gen Clrm	30
Mgt	30.0	66.3	.70	929	397	1.3	.9	A02	Gen Clrm	30
TOTALS	100.0	221.0		3095	1325					
FINE ARTS										
Design	20.0	13.4	.75	201	67	.4	.2	B04	Design Studio	20
Drama	10.0	6.7	1.00	134	0	.1	0.0	D01	Multi Purp Lab	60
Music	20.0	13.4	1.00	268	0	.2	0.0	D01	Multi Purp Lab	60
Ceramics	15.0	10.1	.75	189	62	.4	.2	B05	Ceramics Studio	20
Dwg/Paint	25.0	16.8	.75	314	105	.7	.4	B06	Dwg/Pt Studio	20
Jewelry	10.0	6.7	.75	126	41	.3	.1	B04	Design Studio	20
TOTALS	100.0	67.0		1232	276					
GENERAL EDU										
Gen Ed	88.0	194.5	.70	2043	875	2.8	1.9	A02	Gen Clrm	30
PE	7.0	15.5	.70	216	92	.2	.1	D02	Phy Fit Cpx	60
Archeology	5.0	11.1	.80	177	44	.3	.1	C04	Earth/Phy Sci	24
TOTALS	100.0	221.0		2437	1010					
LANG/LETTER										
English	80.0	136.0	.70	1429	611	2.0	1.4	A02	Gen Clrm	30
Journalism	2.0	3.4	1.00	69	0	.1	0.0	B03	Journ Lab	20
Language	10.0	17.0	.70	179	76	.2	.2	A02	Gen Clrm	30
Speech	8.0	13.6	.70	143	61	.2	.1	A02	Gen Clrm	30
TOTALS	100.0	170.0		1820	748					
MATHEMATICS										
Math	100.0	153.0	.70	1606	689	2.2	1.5	A02	Gen Clrm	30
TOTALS	100.0	153.0		1606	689					
SCIENCE										
Biology	12.0	26.5	.80	426	105	.7	.3	C01	Bio Lab Cpx	24
Chemistry	8.0	17.7	.70	247	105	.4	.3	C02	Chem Lab Cpx	24
Physics	6.0	13.3	.70	186	79	.3	.2	C03	Phy Lab Cpx	24
Earth/Phy S	8.0	17.7	.70	247	105	.4	.3	C04	Earth/Phy Sci	24
Computer	60.0	132.6	.70	2320	995	1.9	1.3	B02	Comput Lab Cpx	50
Computer/Gr	6.0	13.3	.90	299	33	.2	.0	B02	Comput Lab Cpx	50
TOTALS	100.0	221.0		3726	1423					
HEALTH OCCU										
Nursing	56.0	43.1	.65	841	452	.9	.8	D03	Health Svc Cpx	40
EM Med	19.0	14.6	.70	309	133	.5	.4	D04	EM Med Lab	25
Health Care	19.0	14.6	.70	309	133	.5	.4	D05	Health Care Lab	25
Med Tech	6.0	4.6	.80	111	28	.5	.1	D06	Med Tech Lab	10
TOTALS	100.0	77.0		1569	746					

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SERVICE OCC										
Typing	22.0	67.3	.70	1415	607	2.0	1.3	E01	Typing Lab	30
Word Proces	20.0	61.2	.60	1102	734	2.3	2.4	E02	Word Proc Lab	20
Retail	6.0	18.4	.70	386	165	.8	.5	E03	Retail Mkt Lab	20
Hotel	6.0	18.4	.70	386	165	.8	.5	E04	Hotel Lab	20
Advertising	3.0	9.2	.70	194	82	.3	.2	A02	Gen Clrm	30
Recreation	7.0	21.4	.70	301	129	.4	.3	A02	Gen Clrm	30
Human Serv	6.0	18.4	.70	321	139	.4	.3	A02	Gen Clrm	30
Radio/TV	5.0	15.3	.40	184	275	.3	.9	D06	Telecom Cpx	20
Travel Agt	3.0	9.2	.70	129	55	.2	.1	A02	Gen Clrm	30
Deaf Ins	3.0	9.2	.70	194	82	.3	.2	a02	Gen Clrm	30
Shorthand	5.0	15.3	.80	304	76	.6	.3	E05	Shthand Lab	20
Culinary Ar	6.0	18.4	.70	387	165	.8	.6	E06	Cul Arts Cpx	20
Child Care	3.0	9.2	.80	184	46	.4	.2	E09	Child Care Cpx	20
Emerg Prog	5.0	15.3	.80	306	76	.6	.3	E10	Future Lab	20
TOTAL	100.0	306.0		5792	2796					
TRADE/TECH/NGR										
Draft	10.0	26.3	.65	428	231	.9	.8	E07	Draft Lab Cpx	20
Survey	9.0	23.7	.70	412	178	.9	.6	E08	Survey Lab	20
Maint	10.0	26.3	.65	428	231	.9	.8	F01	Jan/Maint Shop	20
Electronics	12.0	31.6	.60	473	316	1.0	1.1	F02	Electro Lab Cpx	20
Elect	9.0	23.7	.70	412	178	.9	.6	F03	Elect Lab Cpx	20
Digital Ele	10.0	26.3	.60	394	263	.8	.9	F04	Dig/Rob Lab Cpx	20
Emerg Prog	9.0	23.7	.70	415	178	.9	.6	F05	Gen Purp Lab 1	20
Emerg Prog	8.0	21.0	.70	369	158	.8	.5	F05	Gen Purp Lab 2	20
Emerg Prog	8.0	21.0	.70	369	158	.8	.5	F05	Gen Purp Lab 3	20
Emerg Prog	8.0	21.0	.70	369	158	.8	.5	F05	Gen Purp Lab 4	20
Hort	7.0	18.4	.70	320	138	.9	.6	F06	Hort Lab Cpx	15
TOTALS	100.0	263.0		4390	2186					

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SPACE NEEDS
Year:2000
Day Space Needs

Code	Description	Quantity	Sch F	Adj Quan	Stat	Unit Area	Net Area
A02	General Clrm	11.7	4.0	47	30	600	28,200
B01	Acct Lab	1.7	1.0	2	30	900	1,800
B02	Comput Lab Cpx	2.5	1.0	3	50	3,050	9,150
B03	Journ Lab Cpx	.1	1.0	1	20	900	900
B04	Design Studio	.7	1.0	1	20	1,600	1,600
B05	Ceramics Studio	.4	1.0	1	20	1,240	1,240
B06	Dwg/Paint Studio	.7	1.0	1	20	1,400	1,400
C01	Bio Lab Cpx	.7	1.0	1	24	2,160	2,160
C02	Chem Lab Cpx	.4	1.0	1	24	2,160	2,160
C03	Phy Lab Cpx	.3	1.0	1	24	2,160	2,160
C04	Earth/Phy Lab Cpx	.7	1.0	1	24	2,160	2,160
D01	Multi Purpose Lab	.3	1.0	1	60	2,930	2,930
D02	Physical Fit Cpx	.2	1.0	1	60	39,260	39,260
D03	Health Svc Cpx	1.0	1.0	1	40	2,250	2,250
D04	EM Med Lab	.5	1.0	1	25	850	850
D05	Health Care Lab	.5	1.0	1	25	800	800
D06	Telecom Cpx	.4	1.0	1	20	2,450	2,450
D07	Med Tech Lab	.5	1.0	1	10	600	600
E01	Typing Lab Cpx	2.0	1.0	2	30	1,350	2,700
E02	Word Proc Lab Cpx	2.3	1.0	3	20	1,400	4,200
E03	Retail Mkt Lab	.8	1.0	1	20	1,350	1,350
E04	Hotel/Motel Lab	.8	1.0	1	20	1,400	1,400
E05	Shorthd Lab Cpx	.6	1.0	1	20	1,000	1,000
E06	Cul Arts Lab Cpx	.9	1.0	1	20	2,800	2,800
E07	Drafting Lab	1.0	1.0	1	24	1,450	1,450
E08	Survey Lab	.9	1.0	1	20	1,100	1,100
E09	Child Care Cpx	.4	1.0	1	20	2,400	2,400
E10	Future Lab	.6	1.0	1	20	1,000	1,000
F01	Jan/Maint Shop	1.0	1.0	1	20	3,500	3,500
F02	Electronics Lab	1.0	1.0	1	20	1,400	1,400
F03	Electrical Lab	.9	1.0	1	20	1,200	1,200
F04	Digital/Rob Lab	.8	1.0	1	20	1,800	1,800
F05	Gen Purpose Lab	.9	1.0	1	20	1,200	1,200
F06	Hort Lab Cpx	.9	1.0	1	15	900	900
Total Net Sq Ft							131,470

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SPACE NEEDS
Year:2000
Night Space Needs

Code	Description	Quantity	Sch F	Adj Quan	Stat	Unit Area	Net Area
A02	General Clrm	8.0	6.0	48	30	600	28,800
B01	Acct Lab	1.2	1.0	2	30	900	1,800
B02	Comput Lab Cpx	.9	1.0	1	50	3,050	3,050
B03	Journ Lab Cpx	0.0	1.0	0	20	900	0
B04	Design Studio	.4	1.0	1	20	1,600	1,600
B05	Ceramics Studio	.2	1.0	1	20	1,240	1,240
B06	Dwg/Paint Studio	.4	1.0	1	20	1,400	1,400
C01	Bio Lab Cpx	.3	1.0	1	24	2,160	2,160
C02	Chem Lab Cpx	.3	1.0	1	24	2,160	2,160
C03	Phy Lab Cpx	.2	1.0	1	24	2,160	2,160
C04	Earth/Phy Lab Cpx	.4	1.0	1	24	2,160	2,160
D01	Multi Purpose Lab	0.0	1.0	0	60	2,930	0
D02	Physical Fit Cpx	.1	1.0	1	60	39,260	39,260
D03	Health Svc Cpx	.7	1.0	1	40	2,250	2,250
D04	EM Med Lab	.4	1.0	1	25	850	850
D05	Health Care Lab	.4	1.0	1	25	800	800
D06	Telecom Cpx	.9	1.0	1	20	2,450	2,450
D07	Med Tech Lab	.1	1.0	1	10	600	600
E01	Typing Lab Cpx	1.3	1.0	2	30	1,350	2,700
E02	Word Proc Lab Cpx	2.4	1.0	3	20	1,400	4,200
E03	Retail Mkt Lab	.5	1.0	1	20	1,350	1,350
E04	Hotel/Motel Lab	.5	1.0	1	20	1,400	1,400
E05	Shorthd Lab Cpx	.3	1.0	1	20	1,000	1,000
E06	Cul Arts Lab Cpx	.4	1.0	1	20	2,800	2,800
E07	Drafting Lab	.7	1.0	1	24	1,450	1,450
E08	Survey Lab	.6	1.0	1	20	1,100	1,100
E09	Child Care Cpx	.2	1.0	1	20	2,400	2,400
E10	Future Lab	.3	1.0	1	20	1,000	1,000
F01	Jan/Maint Shop	.7	1.0	1	20	3,500	3,500
F02	Electronics Lab	1.1	1.0	2	20	1,400	2,800
F03	Electrical Lab	.6	1.0	1	20	1,200	1,200
F04	Digital/Rob Lab	.9	1.0	1	20	1,800	1,800
F05	Gen Purpose Lab	.6	1.0	1	20	1,200	1,200
F06	Hort Lab Cpx	.6	1.0	1	15	900	900
Total Net Sq Ft							123,540

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SPACE NEEDS
Year:2000
Total Space Needs

Code	Description	Quantity	Sch F	Adj Quan	Stat	Unit Area	Net Area
A02	General Clrm	8.0	6.0	48	30	600	28,800
B01	Acct Lab	1.7	1.0	2	30	900	1,800
B02	Comput Lab Cpx	2.5	1.0	3	50	3,050	9,150
B03	Journ Lab Cpx	.1	1.0	1	20	900	900
B04	Design Studio	.7	1.0	1	20	1,600	1,600
B05	Ceramics Studio	.4	1.0	1	20	1,240	1,240
B06	Dwg/Paint Studio	.7	1.0	1	20	1,400	1,400
C01	Bio Lab Cpx	.7	1.0	1	24	2,160	2,160
C02	Chem Lab Cpx	.4	1.0	1	24	2,160	2,160
C03	Phy Lab Cpx	.3	1.0	1	24	2,160	2,160
C04	Earth/Phy Lab Cpx	.7	1.0	1	24	2,160	2,160
D01	Multi Purpose Lab	.3	1.0	1	60	2,930	2,930
D02	Physical Fit Cpx	.2	1.0	1	60	39,260	39,260
D03	Health Svc Cpx	1.0	1.0	1	40	2,250	2,250
D04	EM Med Lab	.5	1.0	1	25	850	850
D05	Health Care Lab	.5	1.0	1	25	800	800
D06	Telecom Cpx	.9	1.0	1	20	2,450	2,450
D07	Med Tech Lab	.5	1.0	1	10	600	600
E01	Typing Lab Cpx	2.0	1.0	2	30	1,350	2,700
E02	Word Proc Lab Cpx	2.4	1.0	3	20	1,400	4,200
E03	Retail Mkt Lab	.8	1.0	1	20	1,350	1,350
E04	Hotel/Motel Lab	.8	1.0	1	20	1,400	1,400
E05	Shorthd Lab Cpx	.6	1.0	1	20	1,000	1,000
E06	Cul Arts Lab Cpx	.9	1.0	1	20	2,800	2,800
E07	Drafting Lab	1.0	1.0	1	24	1,450	1,450
E08	Survey Lab	.9	1.0	1	20	1,100	1,100
E09	Child Care Cpx	.4	1.0	1	20	2,400	2,400
E10	Future Lab	.6	1.0	1	20	1,000	1,000
F01	Jan/Maint Shop	1.0	1.0	1	20	3,500	3,500
F02	Electronics Lab	1.1	1.0	2	20	1,400	2,800
F03	Electrical Lab	.9	1.0	1	20	1,200	1,200
F04	Digital/Rob Lab	.9	1.0	1	20	1,800	1,800
F05	Gen Purpose Lab	.9	1.0	1	20	1,200	1,200
F06	Hort Lab Cpx	.9	1.0	1	15	900	900
Total Net Sq Ft							133,470

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SANTA FE COMMUNITY COLLEGE

Square footage summaries contained in this section represent the required spaces to accommodate the 1990 enrollment projections, as contained in the "ENROLLMENT PROJECTION" section.

The space needs have been divided into two sections: 1) Instructional Support Spaces; and 2) Instructional Spaces. Instructional Support Spaces were identified through a series of interviews with SFCC staff members. The section entitled "INSTRUCTIONAL SPACE NEEDS AND UTILIZATION" provides a detailed analysis of required facilities to accommodate the projected enrollments.

INSTRUCTIONAL SUPPORT SPACES

ADMINISTRATION

Campus Entrance	300	
Executive Complex	2,520	
Business Complex	2,320	
Computer Complex	1,670	
Board Room Complex	1,650	
		8,460

CAMPUS ACTIVITY CENTER

Campus Center	7,200	
Bookstore	2,000	
Community Service Administration	740	
Community Service	2,300	
Student Service - Guidance	2,780	
Student Service - Financial Aid	540	
Student Service - Admissions & Records	1,320	
		16,880

LEARNING RESOURCE CENTER

Library	12,630	
Media Center	1,850	
Developmental Studies	3,640	
		18,120

PERFORMING ARTS

Theater	9,540	
Lecture Theater	1,650	
		11,190

FACULTY OFFICES

Faculty Offices	3,150	
		3,150

PHYSICAL PLANT

Physical Plant Complex	4,570	
		4,570

SUBTOTAL - INSTRUCTIONAL SUPPORT SPACES 62,370

INSTRUCTIONAL SPACES

BUSINESS

Accounting	1,800	
Retail Management	1,350	
		3,150

COMMUNICATION		
Telecommunications	2,450	
Journalism	900	
		3,350
COMPUTER SCIZNCE		
Computer Lab Complex	6,100	
		6,100
CONSTRUCTION RELATED		
Surveying	1,100	
Drafting	1,450	
Custodial/Maintenance	3,500	
		6,050
ELECTRONICS		
Electronics Lab	1,200	
Electronics Repair Lab	1,400	
Digital/Robotics Lab	1,800	
		4,400
FINE ARTS		
Design Complex	1,600	
Drawing/Painting Complex	1,400	
Ceramics Complex	1,240	
		4,240
FITNESS CENTER		
Fitness Center	28,200	
Multi-Purpose	4,200	
		32,400
GENERAL INSTRUCTION		
General Classrooms	16,800	
Multi Purpose Lab	2,930	
		19,730
HEALTH SERVICES		
Health Care Complex	3,050	
EMT Lab	850	
		3,900
HOSPITALITY OCCUPATIONS		
Culinary Arts	2,800	
Hotel/Motel	1,400	
		4,200

MISCELLANEOUS			
Horticulture/Hydroponics	900		
Emerging Program	1,200		
Child Care	2,400		
		4,500	
OFFICE OCCUPATION			
Office Occupation Complex	6,500		
		6,500	
SCIENCE			
Biology Complex	2,160		
Chemistry Complex	2,160		
Physics Complex	2,160		
Earth Science Complex	2,160		
		8,640	
SUBTOTAL - INSTRUCTIONAL SPACES			107,160
TOTAL NET SQUARE FEET			169,530

ADMINISTRATION	STATIONS	NET SQ. FT.
Campus Entrance		
Reception Area	1 Receptionist	300
Subtotal - Campus Entrance		300
Executive Complex		
Secretary/Receptionist Area	1 Sec/Recep 3 Staff 6-8 Visitors	480
Office/Conference Room - President	1 President 4-6 Visitors	250
Office - Dean of Instruction	1 Dean 2-4 Visitors	150
Office - Director of Planning and Research	1 Director 2-4 Visitors	150
Office - Community Relations	1 Staff	120
Office - Assistant Administrator	1 Staff	120
Storage for Community Relations		80
Work Room/Duplication Area		260
Storage		200
Conference Room/Storage (Coat Closet & Restrooms nearby)	20	450
Service Alcove		40
Mail Room		100
Security Office	1 Staff	120
Subtotal - Executive Complex		2,520
Business Complex		
Cashier Waiting Area		160
Secretary/Receptionist Area	1 Sec/Recep 1 Clerk	160
Office - Dean of Administration	1 Dean 2-4 Visitors	150
Office - Purchasing	1 Staff	120

Office - Personnel	1 Staff	120
Office - Accounting	1 Staff	120
Secure Storage		100
Cashier Area	1 Cashier	120
Secretarial Area	1 Secretary	80
Administrative Waiting Area	4-5 Visitors	100
Work Area		200
Word Processor/Printer	4 Staff	400
Central Store		250
Conference Room (Shared with A & R, Financial Aid & Community Services)	12	240
Subtotal - Business Complex		2,320
Computer Complex		
Waiting/Distribution Area (Counter)	1 Staff 4 Visitors	150
User Terminals	2 Stations	160
Programmers - 2 @ 100 sq.ft.ea.	2 Stations	200
Terminals	4 Stations	320
Storage/Work		200
Disc Storage		120
Office - Director	1 Director	120
Computer Room		200
Printer Area		200
Subtotal - Computer Complex		1,670
BOARD ROOM COMPLEX		
Board Area	14	700
Seating Area	30	600

Storage Room	200
Rear Screen Projection Room	150
Subtotal - Board Room Complex	1,650
TOTAL - ADMINISTRATION	8,460

CAMPUS ACTIVITY CENTER	STATIONS	NET SQ. FT.
Campus Center		
Multi-Purpose Room		2,900
Food Prep/Storage/Emp Area		1,500
Dining Areas		1,500
Storage		300
Conference/Dining Room		800
Game Room		200
Subtotal - Campus Center		7,200
Bookstore		
Sales and Display Areas		1,600
Receiving Area		400
Subtotal - Bookstore		2,000
Community Services Administration		
Reception/Waiting Area	5-7 Visitors	140
Secretary/Clerical Area	2 Staff	160
Office - Director	1 Director	140
Office - Asst. to Director	1 Assistant	120
Record Storage		180
Subtotal - Community Services Administration		740
Community Service Area		
Community Service Room/ Multi Purpose Room		1,700
Kitchen		100
Storage		500
Subtotal - Community Service Area		2,300

Student Service - Guidance Center		
Office - Dean of Students	1 Dean 2-5 Visitors	150
Secretarial Area	1 Secretary 1 Part-Time Clerical	160
Reception Area	6-8 Students	160
Counselor's office - 3 @ 120 sq.ft.ea.	3 Staff	360
Office - Student Employment Coordinator	1 Staff	120
Small Group Room for Testing and Conference	8-10 People	200
Small Group Room for Testing and Conference	8-10 People	200
Secure Storage		150
Career Development Laboratory	Varies	900
Storage for Career Development Lab		200
Student Activities Office	2-3	180
Subtotal - Student Service - Guidance Center		2,780
Student Service - Financial Aid		
Reception Area	1 Sec/Recep	160
Secretarial Area	2 Clerical	160
Office - Director	1 Staff	120
Storage		100
Subtotal - Student Service - Financial Aid		540
Student Service - Admissions and Records		
Office - Registrar	1 Staff	120
Office - Admissions Counselor	1 Staff	120
Secretary/Clerical Area	3 Staff 1 Part-Time	320
Waiting Area	6-8 Visitors	160

Work/Storage Area	200
Microfilm Prep Area	100
Photo Copy Area	100
Microfilm & Record Storage Vault	200
Subtotal - Student Service - Admissions and Records	1,320
TOTAL - CAMPUS ACTIVITY CENTER	16,880

LEARNING RESOURCE CENTER	STATIONS	NET SQ. FT.
Library		
Circulation, Exhibit/Checkout	1 Staff	350
Card Catalog		200
Reference	1 Staff	750
Microform Area		250
Photocopy Area		160
Reserve		200
Periodicals		200
Stack Area	30,000 Vol.	3,750
Carrels	30	900
Tables	75	2,250
Lounge Seating	20	600
Librarian	1 Staff	140
Secretary/Receptionist Area	1 Staff	120
Work Room/Storage/Receiving Area		1,200
Typing Room	8-10	200
Seminar/Study Rooms -		
2 @ 240 sq.ft.ea.	12 ea.	480
2 @ 140 sq.ft.ea.		280
Conference Room	10	200
Rare Book Collection		400
Subtotal - Library		12,630
Media Center		
Media Storage/Repair/Tape Duplication Area		400
Media Work Area		600
Media Booking		80

Small Media Storage		200
Graphic Artist Work Room		300
Photo Lab Complex and Storage		150
Office - Media Specialist		120
Subtotal - Media Center		1,850
Developmental Studies		
General Tutoring Area	1 Recep 50 Stations	1,500
Computer Asst. Instructional Area	20 Stations	800
Classroom (Locate 3 General Classrooms in this area)	25 Stations	500
Storage Area		200
Conference/Testing Area	8-10	200
Work Room		100
Office - Director	1 Director	120
Office - ABE	1 Coordinator	120
Faculty Office 1 @ 100 sq.ft.ea.	1 Staff	100
Subtotal - Developmental Studies		3,640
TOTAL - LEARNING RESOURCE CENTER		18,120

PERFORMING ARTS	STATIONS	NET SQ. FT.
Theater		
Lobby		500
Theater Seating	350	3,200
Stage		2,400
Stage Craft Room		1,000
Set Storage		500
Costume Storage		300
Dressing Rooms		600
Control Booth		140
Green Room		500
Orchestra Area (In front of stage - 10'x40')		400
Subtotal - Theater		9,540
Lecture		
Lecture Theater	90	1,350
Projection Booth		150
Prep./Workroom		150
Subtotal - Lecture		1,650
TOTAL - PERFORMING ARTS		11,190

FACULTY OFFICES	STATIONS	NET SQ. FT.
Full-time Faculty Offices		
5 @ 120 sq.ft.ea.		600
10 @ 100 sq.ft.ea.		1,000
Secretarial Support Area		350
Part-time Faculty Office		1,200
TOTAL - FACULTY OFFICES		3,150

PHYSICAL PLANT	STATIONS	NET SQ. FT.
Receiving/Storage		2,000
Loading Dock		150
Maintenance Area		900
Work Bay		450
Employee Locker Rooms		300
Janitorial Storage		400
Physical Plant Office/Plan Room		120
Compactor Trash Room		250
TOTAL - PHYSICAL PLANT		4,570

BUSINESS	STATIONS	NET SQ. FT.
Accounting Lab		
Accounting Labs 2 @ 900 sq.ft.ea.	30 ea.	1,800
Subtotal - Accounting Lab		1,800
Retail Management Lab		
Lab Area	15	1,000
Storage for Lab		250
Faculty Office	1 Faculty	100
Subtotal - Retail Management Lab		1,350
TOTAL - BUSINESS		3,150

COMMUNICATION	STATIONS	NET SQ. FT.
Telecommunications		
Radio Lab		300
Recording Rooms 2 @ 100 sq.ft.ea.		200
TV Studio		900
Control Room		200
Edit Room		150
Storage		500
Faculty Offices 2 @ 100 sq.ft.ea.		200
Subtotal - Telecommunications		2,450
Journalism		
Journalism Lab	20	600
Workroom		150
Photo Lab		150
Subtotal - Journalism		900
TOTAL - COMMUNICATION		3,350

COMPUTER SCIENCE	STATIONS	NET SQ. FT.
Micro Computer Labs 2 @ 2,000 sq.ft.ea.	40 ea.	4,000
Individual Study Area	20	900
Computer Offices 2 @ 100 sq.ft.ea.	2 Staff	200
Supply Room		200
Equipment Room		600
Faculty Offices	2 Faculty	200
TOTAL - COMPUTER SCIENCE		6,100

CONSTRUCTION RELATED	STATIONS	NET SQ. FT.
Surveying		
Surveying Lab	20	800
Storage		300
Subtotal - Surveying		1,100
Drafting		
Drafting Lab	20	1,200
Print Room		150
Storage		100
Subtotal - Drafting		1,450
Custodial/Maintenance		
Custodial/Maintenance Lab	20	3,000
Storage		400
Faculty Office	1 Faculty	100
Subtotal - Custodial/Maintenance		3,500
TOTAL - CONSTRUCTION RELATED		6,050

ELECTRONICS	STATIONS	NET SQ. FT.
Electrical Lab		
Electrical Lab	20	1,000
Storage for Electrical Lab		200
Subtotal - Electrical Lab		1,200
Electronics		
Electronics Lab	20	1,000
Storage for Electronics Lab		300
Faculty Office	1 Faculty	100
Subtotal - Electronics		1,400
Digital/Robotics Lab		
Digital/Robotics Lab	20	1,500
Storage		200
Faculty Office	1 Faculty	100
Subtotal - Digital/Robotics Lab		1,800
TOTAL - ELECTRONICS		4,400

FINE ARTS	STATIONS	NET SQ. FT.
Design Complex		
Design Labs	20	1,000
Design Storage		300
Jewelry Storage		200
Faculty Office	1 Faculty	100
Subtotal - Design Complex		1,600
Drawing/Painting Complex		
Drawing/Painting Studios	15-20	1,000
Drawing/Painting Storage		300
Faculty Office	1 Faculty	100
Subtotal - Drawing/Painting Complex		1,400
Ceramics Complex		
Ceramics Lab	15	800
Damp Room		120
Clay Mixing and Storage		120
Kiln Area		100
Faculty Office	1 Faculty	100
Subtotal - Ceramics Complex		1,240
TOTAL - FINE ARTS		4,240

FITNESS CENTER	STATIONS	NET SQ. FT.
Fitness Center		
Gymnasium	60	17,000
Gymnasium Storage		1,000
Weight Room	15	800
Men's Locker/Shower		2,500
Women's Locker/Shower		2,500
Equipment Check Out/Storage		300
Laundry		300
First Aid/Training		400
Handball Court 3 @ 800 sq.ft.ea.		2,400
Physical Stress Lab		800
Faculty Offices 2 @ 100 sq.ft.ea.		200
Subtotal - Fitness Center		28,200
Multi-Purpose		
Multi-Purpose	20	2,500
Storage		200
Men's Locker		750
Women's Locker		750
Subtotal - Multi-Purpose		4,270
TOTAL - FITNESS CENTER		32,400

GENERAL INSTRUCTIONAL	STATIONS	NET SQ. FT.
General Classrooms 28 @ 600 sq.ft.ea.	28	16,800
Performing Arts Area		
Multipurpose Performing Arts Lab		2,000
Practice Rooms - 2 @ 100; 2 @ 80, 1 @ 160 sq.ft.ea.		520
Storage		250
Faculty Offices	2 Faculty	160
Subtotal - Performing Arts Area		2,930
TOTAL - GENERAL INSTRUCTIONAL		19,730

HEALTH SERVICES	STATIONS	NET SQ. FT.
Health Care Complex		
Nursing Skills Labs 2 @ 900 sq.ft.ea.	20 ea.	1,800
Faculty Offices 2 @ 100 sq.ft.ea.	2 Faculty	200
Secretarial	1 Staff	250
Health Care Lab	20	800
Subtotal - Health Care Complex		3,050
EMT		
EMT Lab	25	850
Subtotal - EMT		850
TOTAL - HEALTH SERVICES		3,900

HOSPITALITY OCCUPATIONS	STATIONS	NET SQ. FT.
Culinary Arts		
Prep Kitchen	20	1,500
Bake Shop		400
Storage		200
Demo Classroom		600
Faculty Office	1 Faculty	100
Subtotal - Culinary Arts		2,800
Hotel/Motel		
Hotel/Motel Lab	20	1,200
Storage		200
Subtotal - Hotel/Motel		1,400
TOTAL - HOSPITALITY OCCUPATIONS		4,200

MISCELLANEOUS	STATIONS	NET SQ. FT.
Horticulture/Hydroponics		
Greenhouse	15	600
Workroom/Storage		200
Faculty Office	1 Faculty	100
Subtotal - Horticulture/Hydroponics		900
Emerging Program		
Lab	20	900
Storage		200
Faculty Office	1 Faculty	100
Subtotal - Emerging Program		1,200
Child Care		
Multipurpose Area (Child Care Lab)		800
Instructional/Play Area	10	500
Child Care Lab	10	500
Office	1 Faculty	100
Storage		200
Conference/Library	8	200
Quiet Areas	5	100
Subtotal - Child Care		2,400
TOTAL - MISCELLANEOUS		4,500

OFFICE OCCUPATIONS	STATIONS	NET SQ. FT.
Typing Rooms 2 @ 1,350 sq.ft.ea.	30	2,700
Word Processing 2 @ 1,200 sq.ft.ea.	20	2,400
Shorthand/Transcription Area	20	1,000
Equipment Supply/Checkout		200
Faculty Offices 2 @ 100 sq.ft.ea.	1 Faculty ea.	200
TOTAL - OFFICE OCCUPATIONS		6,500

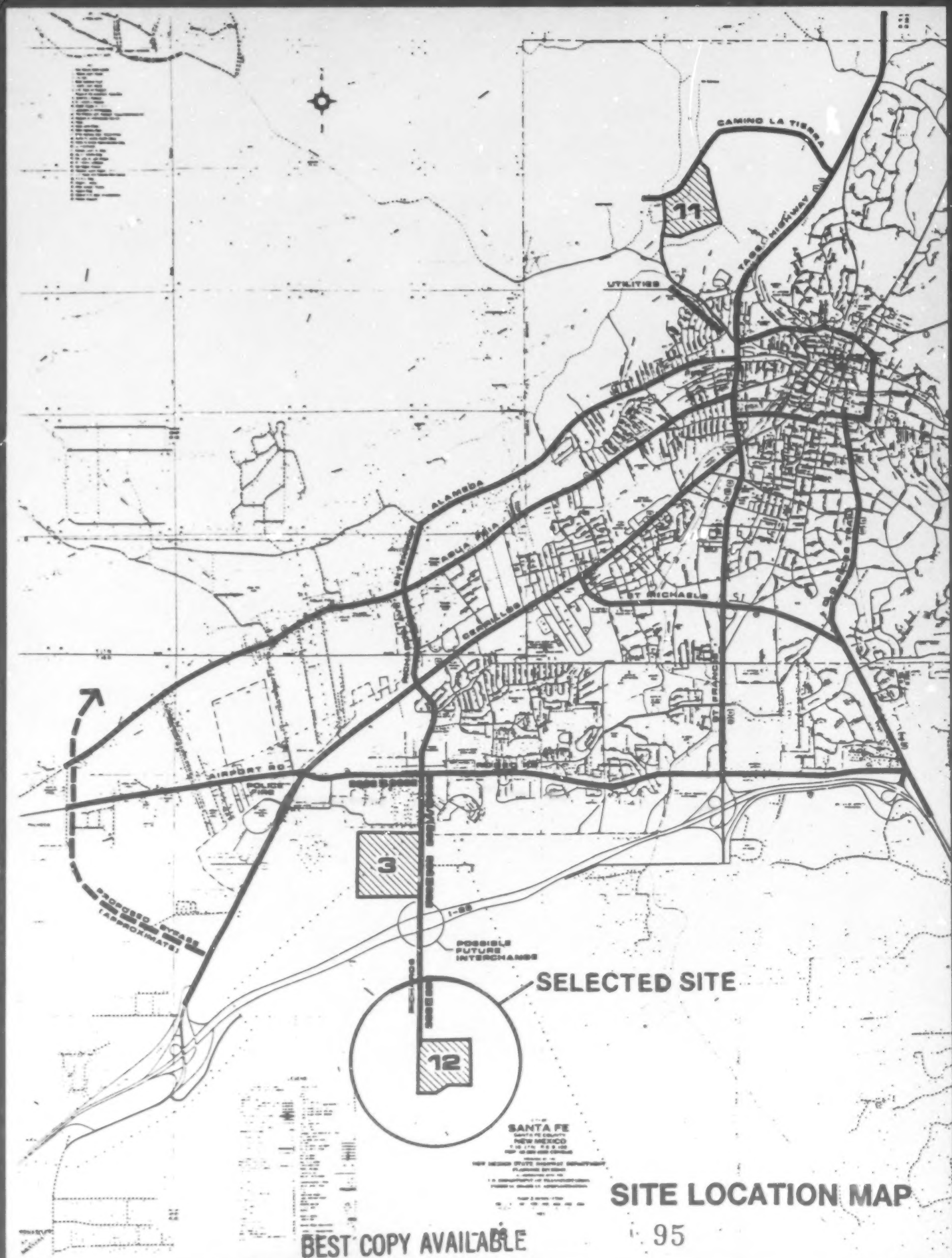
SCIENCE	STATIONS	NET SQ. FT.
Biology		
Biology Lab	24	1,500
Biology Prep./Storage		560
Faculty Office	1 Faculty	100
Subtotal - Biology		2,160
Chemistry		
Chemistry Lab	24	1,500
Chemistry Prep./Storage		560
Faculty Office	1 Faculty	100
Subtotal - Chemistry		2,160
Physics		
Physics Lab	24	1,500
Physics Prep./Storage		400
Balance/Instrument Storage		160
Faculty Office	1 Faculty	100
Subtotal - Physics		2,160
Earth Science		
Geology, Archeology, Astronomy, Earth Science Lab	24	1,500
Prep./Storage Area		560
Faculty Office	1 Faculty	100
Subtotal - Earth Science		2,160
TOTAL - SCIENCE		8,640

SANTA FE COMMUNITY COLLEGE

A search for an adequate site for Santa Fe Community College was started by College staff during the Fall 1983 semester. This extensive search was documented in a report, Santa Fe Community College Site Survey Analysis, dated January 1984. From this search three specific sites were identified as good potential locations for the SFCC campus. These sites are as follows:

No. 3	A parcel adjacent to Richards Avenue, south of Rodeo Road and north of I-25
No. 11	Northwest quadrant city land, west of the Taos Highway and north of Camino Las Crucitas
No. 23	A parcel at the end of Richards Avenue right-of-way, south of I-25

The following map of Santa Fe specifically identifies the location of these three (3) sites.



SITE LOCATION MAP

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Following the selection of Arrison, Inc. as the campus architect, they were charged with analyzing the three sites in detail. The following were twelve (12) points utilized in the analysis of each site:

1. Site adequate for present and future enrollments - 100 acres is a minimum standard for a modern community college;
2. As near as possible to center of pupil population;
3. Location to avoid traffic hazards, disturbing noises, smoke, dirt, dust and odors;
4. Accessibility;
5. Availability of utility services;
6. Suitability of soil for building foundation;
7. Reasonable cost;
8. Good drainage;
9. Topography;
10. Aesthetic appeal (views);
11. Zoning and city planning regulations of adjacent areas; and
12. Proximity to safety facilities (police, fire).

Following a month-long, in-depth study of each site, which included detailed discussions with each owner, a report was presented to the SFCC Board on August 2, 1984.

It was quite apparent that Site No. 12 was the most desirable. It contained the desired 160 acres; was located in the growth sector of the city, the southwest; contained moderate traffic congestion; had potential good access from all parts of the city; had good drainage; had good buildable topography; had excellent views; and was reasonably priced. The report entitled "SITE ANALYSIS," prepared by Arrison, Inc., provided detailed analysis for each property.

Site No. 12 is located on the north edge of property owned by Rancho Viejo Partnership, a development company. The partnership presently owns 25,000 acres of undeveloped land and presently is in the process

of developing a master plan for future development. They have worked with SFCC to identify the most desirable 160 acres of land for the new campus and will provide water, gas and electric utilities to the property line. They further have indicated a willingness to work with the College to assure desirable land use adjacent to the campus site.

SANTA FE COMMUNITY COLLEGE

SITE UTILIZATION

Following the site selection process, as outlined by the previous section, Arrison, Inc. analyzed approximately 600 acres to identify the most desirable 160 acres for the new SFCC campus site. This process was completed in December, 1984 and the Board approved the recommended site.

This section will summarize the further site analysis process which was conducted by Arrison, Inc. to develop a recommended land-use diagram. This diagram will be useful in planning the actual structures for the first phase and can be used as a guide for long range development.

Site

The 160-acre SFCC site is located southwest of Santa Fe, approximately 2¼ miles due south of the Richards/Rodeo Road intersection. Present and future access to the site will be via Richards Avenue which forms the western boundary of the site. A major portion of Richards Avenue is unimproved; however, the Rancho Viejo Partnership has agreed to improve the entire length of Richards Avenue from Rodeo Road to the site. The improvements will comply with State Highway standards for all weather roads. This will provide an adequate base for a hard surface road, which should be constructed before the College occupies the site in the spring of 1988.

Access to the site will be greatly improved when the anticipated interchange at Rodeo Road and I-25 is constructed. This interchange would be approximately one mile north of the campus. Students from all sections of the service area would have excellent access to the College site.

Topography and Slope

The site is highest on the northeast side, rising to an elevation of 6,650 feet and sloping gently to the west and south to a low point of 6,560 feet (reference Elevation Map). Slopes vary between 0 - 8% and are generally in the 4% range (reference Slope Map). Nowhere is the topography so steep as to make the development of the campus difficult.

Soils

A series of nine soil borings were made by Geo-Test, ranging in depth from 20 to 90 feet. The nine test holes were spaced equally over the entire site. The soil conditions over the entire site are suitable for building construction. Any required fill material can be taken from the site itself. A complete soils report is on file at the offices of Arrison, Inc.

Drainage

The entire site has excellent drainage, with little run-off coming from outside the site. The only exception is a major drainage ditch running along the southern boundary, which picks up approximately 40 percent of the SFCC site drainage (reference Drainage Map).

Cover

The site is presently in a natural state and is covered with native grasses, chamisa, cactus and cedar trees. The tree pattern is shown on the Vegetation Map. The tree cover is strongest along the southern boundary (reference Vegetation Map).

Access

As stated previously, the principal access to the site will be from Richards Avenue. In conjunction with the Rancho Viejo Partnership, it was determined to locate Richards Avenue on the old abandoned railroad right-of-way which forms the western boundary of the property. Richards Avenue will provide the major access to the Rancho Viejo properties to the south. Present plans are to construct Richards Avenue as a controlled, divided four-lane road. A proposed new road along the nort ern property line will provide additional access to the site.

Utilities

Presently all utilities are located to the north along Richards Avenue.

Water and sewer are available contingent upon approvals for extension of the lines by the controlling government agencies. Existing water is at Richards Avenue approximately 1 3/4 miles from the northeast corner of the site. Cost of extending this line will be borne by the Rancho Viejo Partnership. The nearest sewer line is at Rodeo Road approximately 2¼ miles from the corner of the site. To utilize the city sewer system would require a lift station because of the topography. An alternative to the lift station is the use of a sewage package plant on the College site. The cost of the sewer line and lift station or a package plant will be borne by the College.

Electricity is available at the northwest corner of the site.

Gas and telephone service are available at Richards Avenue near the electrical sub-station approximately 1½ miles from the site. The cost of extending the gas line will be borne by the Rancho Viejo Partnership and the cost of extending the telephone service will be borne by SFCC.

Site Requirements and Utilization

The land use of the SFCC site contains six major elements (reference Site Utilization Map). They are as follows:

1. Main College campus site
2. Parking
3. Outdoor physical education facilities
4. Future student housing site
5. Future conference center site
6. Future community-use site

Three of these elements will be contained in the first phase of construction. They are the main College campus, parking and outdoor physical education facilities. The extent of these first phase facilities will be determined by initial funding. When the funding has been identified, a phased land-use diagram will be developed.

The main campus site containing approximately 16.7 acres is located in the northwest corner of the property to minimize utility cost,

have immediate access to both roads, and maximize the exposure to the community.

Parking resources for the main campus have been located to the south and east so that a main entry plaza can be developed with a southern exposure. The parking to the east can be utilized by not only the main campus but also by the physical education facilities. 1990 parking needs have been identified as 1,000 to 1,200 spaces and expanding to 1,900 to 2,000 in the year 2000.

The basic objective in planning circulation is to create a safe pedestrian campus. The loop road with parking located inside the loop provides the desired separation between the auto and the pedestrian. A portion of the loop road (adjacent to the physical education facilities) will not be accessible to the public, but will only be used by service vehicles. This will provide access from the main campus to the physical education fields without crossing a road.

The outdoor physical education facilities are located to the east of the main campus to take advantage of the rather flat area for playing fields. The outdoor physical education facilities will include the following:

8 tennis courts
2 multi-purpose playing fields (soccer, football, archery, golf practice, etc.)
2 softball fields
1 baseball field
1 football and running track
jobbing trail
fitness trail
4 outdoor handball courts

The remaining future facilities are located to the south of the loop road. These future developments are the elements which will

vary and change with time. As their requirements become more clearly defined, the specific land-use patterns can be identified.

A second road along the south boundary is proposed to provide service access to the future facilities without congesting the main loop road.

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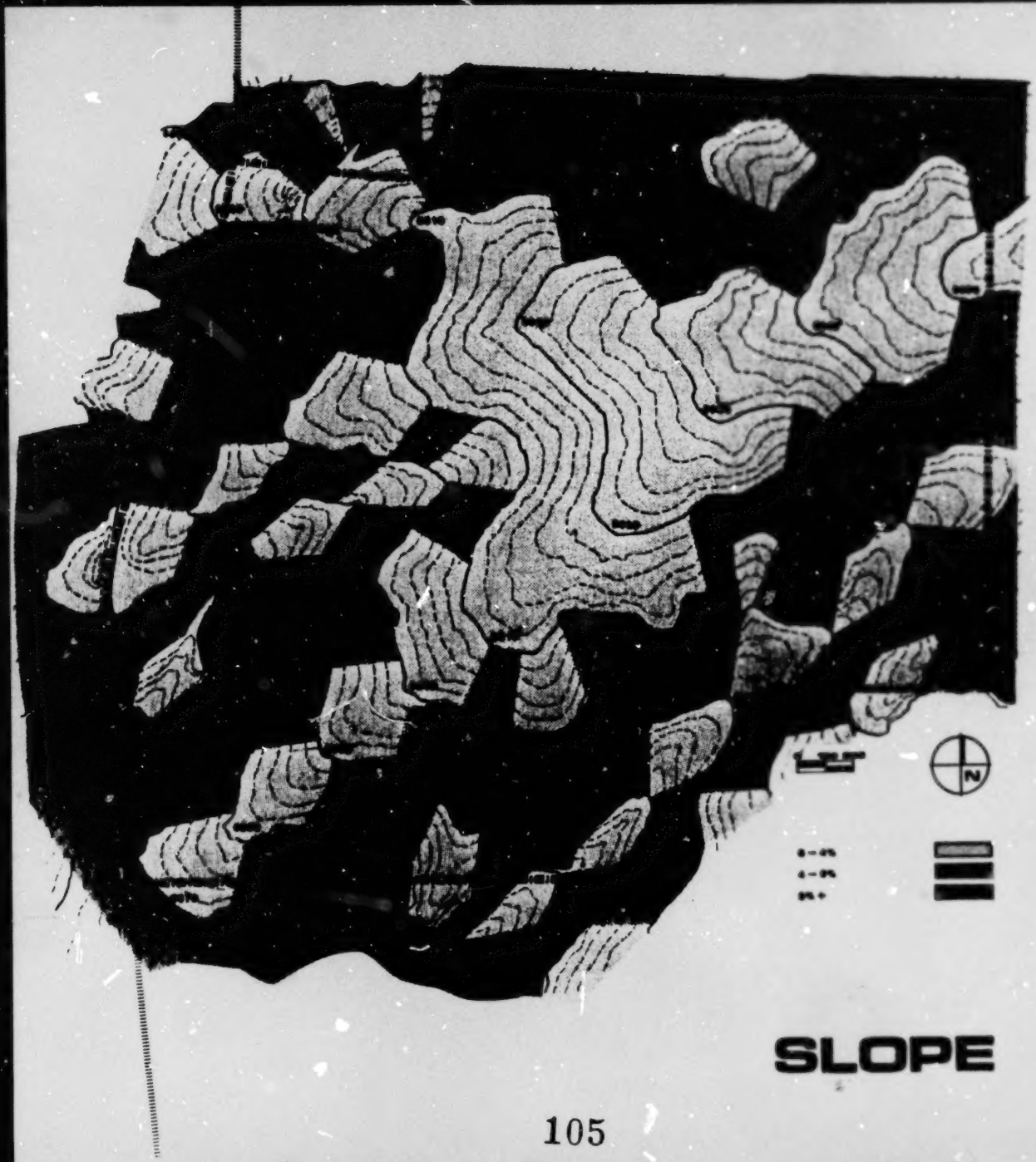
ELEVATION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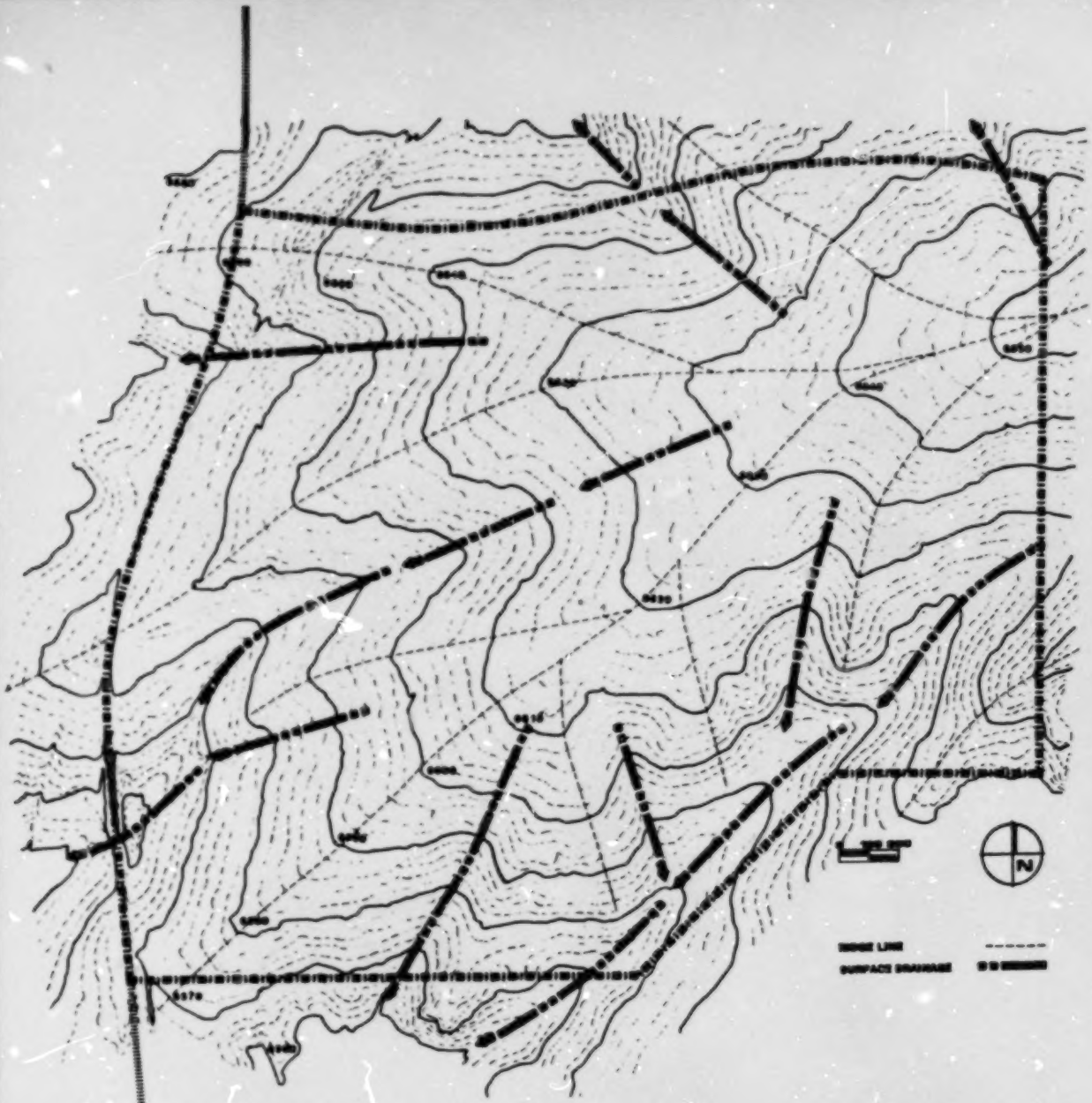
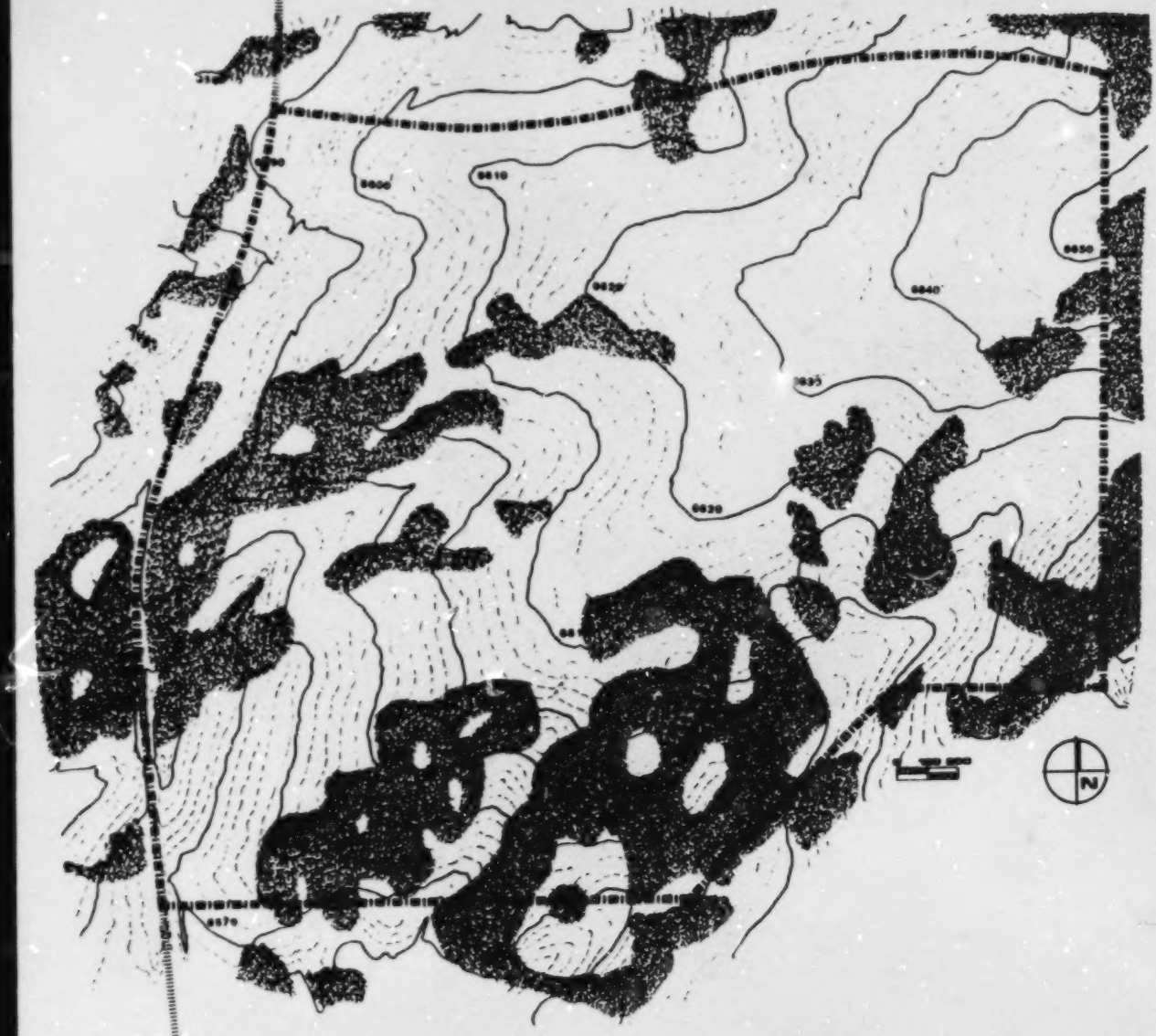
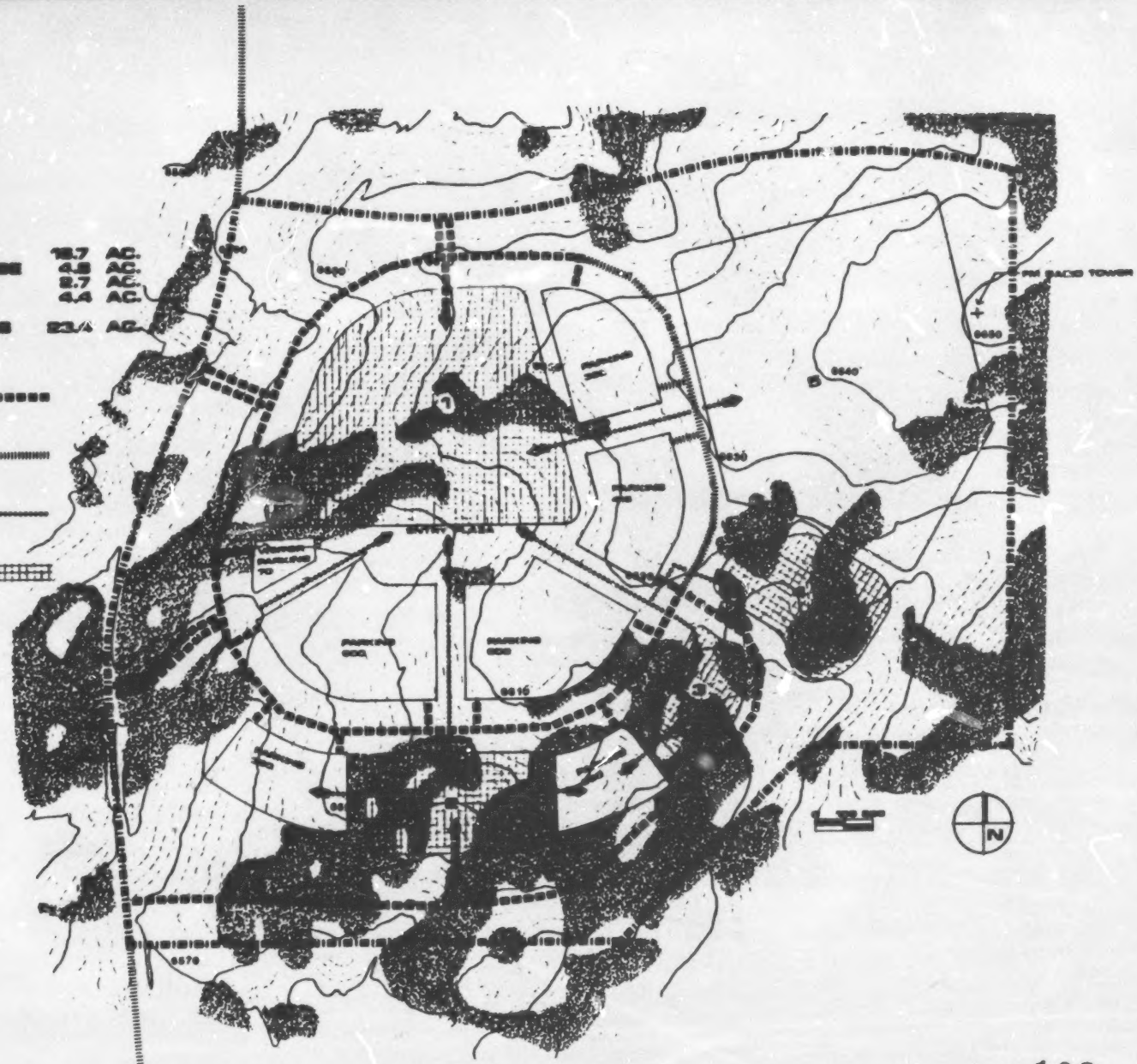
SLOPE



DRAINAGE



VEGETATION



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SITE UTILIZATION

SANTA FE COMMUNITY COLLEGE

PROJECT SCHEDULE

The following bar chart, "SFCC PROJECT SCHEDULE," was developed based upon the following assumptions:

Present SFCC leased facilities will have to be vacated by August 1988.

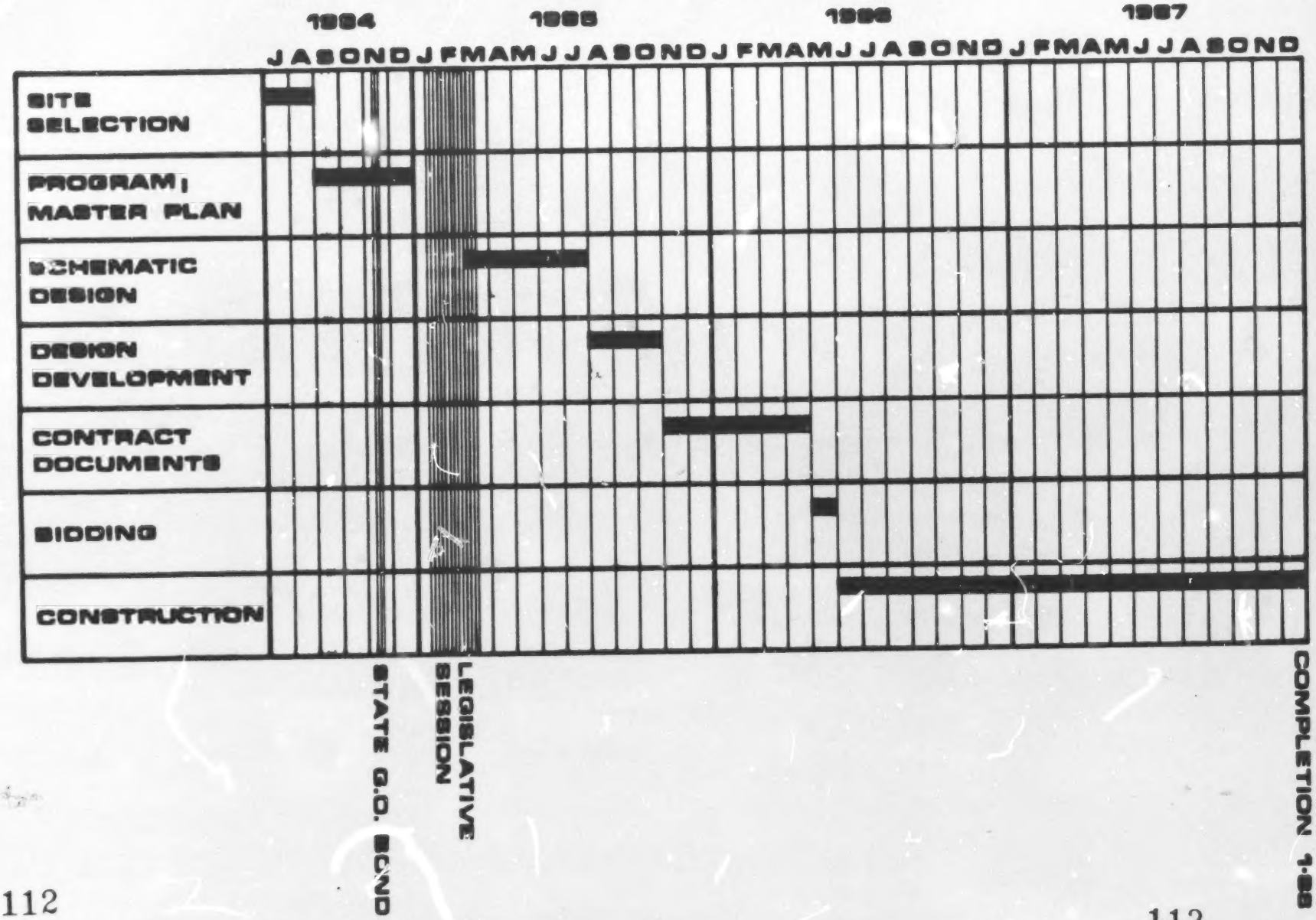
SFCC acquires Rancho Viejo property on Richards Avenue by Spring 1985. (As of January 1985, the College and Rancho Viejo are finalizing all necessary legal documents to transfer the property to the College.)

SFCC site will be available with required utilities by Spring 1986.

Total funding for the initial phase will be identified and finalized by early 1985.

The Project Schedule, as presented, is realistic; however, it will not allow for major delays if SFCC is to vacate their present facilities by August 1988. The single largest variable is the actual required construction time. The projected schedule identifies 19 months; however, a more conservative estimate would be 24 months. If 24 months were utilized, the new completion date would be June 1988. This would allow the College only 2 months for move-in. Once the true scope of the project has been identified, the Project Schedule can be fine tuned.

In summary, the Project Schedule, as presented, is adequate and realistic; however, it will not allow for major delays.


1984
1985
1986
1987
J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D
SITE SELECTION
PROGRAM; MASTER PLAN
SCHEMATIC DESIGN
DESIGN DEVELOPMENT
CONTRACT DOCUMENTS
BIDDING
CONSTRUCTION
STATE G.O. BOND
LEGISLATIVE SESSION
COMPLETION 1-88

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SFCC PROJECT SCHEDULE

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SANTA FE COMMUNITY COLLEGE

COST ESTIMATE

The project cost estimate contained in this section was developed based upon the previous sections which identified net square footage, site location, and project schedule.

The estimate was developed based upon both a square footage cost(s) and fixed cost items. Square footage costs were developed for various types of building types. These costs included not only construction costs, but furnishings/moveable equipment, fees and miscellaneous expenses, contingency, and an inflation factor. The following is a brief description of each category:

Construction Subtotal - Includes cost of the actual building including fixed equipment.

Furnishings and Moveable Equipment - Includes cost of desks, chairs, and other moveable equipment.

Fees and Miscellaneous Expenses - Includes A/E fees, legal fees, soil testing, surveys, printing costs and other miscellaneous expenses.

Contingency - Includes funds totaling 10% of the construction and furnishing cost to provide for unknown expenses which might develop during the duration of the project.

Inflation Factor - Includes funds totaling 12% of all cost items. This inflation factor was developed utilizing 6% per year for a 2-year period. The two-year timeframe represents the projected time from today to halfway through construction.

The following pages identify the specific costs per square foot for each space types.

SQUARE FOOTAGE COST ESTIMATE
SANTA FE COMMUNITY COLLEGE

Date:Oct 17,1984

Shop/Storage Spaces	SF Cost
General Construction	$38.50
Mechanical Construction	$11.00
Electrical Construction	$5.50
Construction Sub.Total	$55.00
Furnishings/Moveable Eq	$2.00
Fees & Misc Expenses	$4.56
Contigency	$5.70
SUB TOTAL	$67.26
Inflation Factor	$8.07
TOTAL PROJECT SF COST	$75.33

Classroom Type Spaces	SF Cost
General Construction	$43.40
Mechanical Construction	$12.40
Electrical Construction	$6.20
Construction Sub Total	$62.00
Furnishings/Moveable Eq	$5.00
Fees & Misc Expenses	$5.36
Contigency	$6.70
SUB TOTAL	$79.06
Inflation Factor	$9.49
TOTAL PROJECT SF COST	$88.55

Physical Fitness Center	SF Cost
General Construction	$46.20
Mechanical Construction	$13.20
Electrical Construction	$6.60
Construction Sub Total	$66.00
Furnishings/Moveable Eq	$2.00
Fees & Misc Expenses	$5.44
Contigency	$6.80
SUB TOTAL	$80.24
Inflation Factor	$9.63
TOTAL PROJECT SF COST	$89.87

SQUARE FOOTAGE COST ESTIMATE
SANTA FE COMMUNITY COLLEGE

Date:Oct 17,1984

Lab Type Spaces	SF Cost
General Construction	$46.20
Mechanical Construction	$13.20
Electrical Construction	$6.60
Construction Sub. Total	$66.00
Furnishings/Moveable Eq	$5.00
Fees & Misc Expenses	$5.68
Contigency	$7.10
SUB TOTAL	$83.78
Inflation Factor	$10.05
TOTAL PROJECT SF COST	$93.83

Office Type Spaces	SF Cost
General Construction	$46.20
Mechanical Construction	$13.20
Electrical Construction	$6.60
Construction Sub Total	$66.00
Furnishings/Moveable Eq	$8.00
Fees & Misc Expenses	$5.92
Contigency	$7.40
SUB TOTAL	$87.32
Inflation Factor	$10.48
TOTAL PROJECT SF COST	$97.80

LRC & CAC Type Spaces	SF Cost
General Construction	$52.50
Mechanical Construction	$15.00
Electrical Construction	$7.50
Construction Sub Total	$75.00
Furnishings/Moveable Eq	$12.00
Fees & Misc Expenses	$6.96
Contigency	$8.70
SUB TOTAL	$102.66
Inflation Factor	$12.32
TOTAL PROJECT SF COST	$114.98

SQUARE FOOTAGE COST ESTIMATE
SANTA FE COMMUNITY COLLEGE

Date:Oct 17,1984

HiTech Type Spaces	SF Cost
General Construction	$59.50
Mechanical Construction	$17.00
Electrical Construction	$8.50
Construction Sub. Total	$85.00
Furnishings/Moveable Eq	$20.00
Fees & Misc Expenses	$8.40
Contigency	$10.50
SUB TOTAL	$123.90
Inflation Factor	$14.87
TOTAL PROJECT SF COST	$138.77

Theater Type Spaces	SF Cost
General Construction	$66.50
Mechanical Construction	$19.00
Electrical Construction	$9.50
Construction Sub Total	$95.00
Furnishings/Moveable Eq	$15.00
Fees & Misc Expenses	$8.80
Contigency	$11.00
SUB TOTAL	$129.80
Inflation Factor	$15.58
TOTAL PROJECT SF COST	$145.38

The following pages provide a detail cost estimate of the projected space needs, utilizing the various square footage costs. The following is an explanation of the chart and the methodology utilized in its development. The following numbers are identified on the Project Cost Estimate.

1. The column entitled "Space" identifies the various spaces required for the core campus as identified in the section entitled "Space Requirements."

2. The column entitled "Net/SF" identifies the projected net square footage for each space type. These square footages are identified in more detail in the "SPACE REQUIREMENTS" section.

3. The column entitled "N/G Ratio" identifies a ratio to convert net square footage into gross square footage by multiplying the net square footage by the ratio. The overall ratio is approximately 1.32. This increase in square footage accommodates corridors, mechanical equipment room, toilets and other non-assignable areas.

4. The column entitled "Gross SF" is the result of multiplying Column 2 by Column 3. This should not be taken as the amount of area that will be built for each space type, but rather the net area plus its proportion share of the non-assignable spaces.

5. The column entitled "Cost/SF" is the weight cost per square foot for the various space types.

6. The column entitled "Total Cost" is the result of multiplying Column 4 by Column 5. This is the estimated cost to construct the specific space plus its assigned proportion of the non-assignable area.

Additional fixed costs are added to the total square footage costs. These fixed costs are site-related expenses which will not vary greatly with the scope of the project.

The total project cost estimate is achieved by adding the square footage cost estimate by the fixed cost estimate.

SANTA FE COMMUNITY COLLEGE
PROJECT COST ESTIMATE
SPACE NEEDS-1990
SCHEME 24M

(1) SPACE	(2) NET/SF	(3) N/G RATIO	(4) GROSS SF	(5) COST SF	(6) TOTAL COST
INSTRUCTIONAL SUPPORT SPACES					
ADMINISTRATION					
Campus Entry	300	1.4	420	$97.80	$41,076
Executive Cpx	2520	1.4	3528	$97.80	$345,038
Business Cpx	2320	1.4	3248	$97.80	$317,654
ComputerCpx	1670	1.4	2338	$97.80	$228,656
Board Rm Cpx	1650	1.4	2310	$114.98	$265,604
Admin Total	8460		11844		$1,198,029
CAMPUS ACTIVITY CENTER					
Campus Ctr	7200	1.3	9360	$114.98	$1,076,213
Bookstore	2000	1.3	2600	$114.98	$298,948
Community Svc Ad	740	1.4	1036	$97.80	$101,321
Community Svc	2300	1.3	2990	$88.55	$264,764
Student Svc Guid	2780	1.3	3614	$97.80	$353,449
Student Svc FA	540	1.4	756	$97.80	$73,937
Student Svc A/R	1320	1.4	1848	$97.80	$180,734
Campus Act Total	16880		22204		$2,349,366
LEARNING RESOURCE CENTER					
Library	12630	1.4	17682	$114.98	$2,033,076
Media Ct	1850	1.4	2590	$114.98	$297,798
Development Ctr	3640	1.4	5096	$114.98	$585,938
LRC Total	18120		25368		$2,916,813
PERFORMING ARTS					
Theater	9540	1.4	13356	$145.38	$1,941,695
Lecture Theater	1650	1.3	2145	$138.77	$297,662
Perf Arts Total	11190		15501		$2,239,357
FACULTY OFFICES					
Faculty Offices	3150	1.3	4095	$97.80	$400,491
Fac Office Total	3150		4095		$400,491
PHYSICAL PLANT					
Phy Plant Cpx	4570	1.2	5484	$75.33	$413,110
Phy Plant Total	4570		5484		$413,110
INSTRUCT SUPPORT TOTAL	62370		84496		$9,517,166

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INSTRUCTIONAL SPACES					
BUSINESS					
Accounting	1800	1.3	2340	$88.55	$207,207
Retail Mkt	1350	1.3	1755	$93.83	$164,672
Business Total	3150		4095		$371,879
COMMUNICATION					
Telecommunicat	2450	1.4	3430	$138.77	$475,981
Journalism	900	1.3	1170	$93.83	$109,781
Communicat Total	3350		4600		$585,762
COMPUTER SCIENCE					
Computer Lab Cpx	6100	1.3	7930	$138.77	$1,100,446
Comput Cpx Total	6100		7930		$1,100,446
CONSTRUCTION RELATED					
Surveying	1100	1.3	1430	$88.55	$126,626
Drafting	1450	1.3	1885	$93.83	$176,870
Custodial/Maint	3500	1.3	4550	$93.83	$426,926
Const Rel Total	6050		7865		$730,423
ELECTRONICS					
Electronics Lab	1400	1.3	1820	$93.83	$170,771
Electrical Lab	1200	1.3	1560	$93.83	$146,375
Digital/Rob Lab	1800	1.3	2340	$93.83	$219,562
Electronic Total	4400		5720		$536,708
FINE ARTS					
Design Cpx	1600	1.3	2080	$93.83	$195,166
Dwg/Painting Cpx	1400	1.3	1820	$93.83	$170,771
Ceramics Cpx	1240	1.3	1612	$93.83	$151,254
Fine Arts Total	4240		5512		$517,191
FITNESS CENTER					
Fitness Center	28200	1.2	33840	$89.87	$3,041,201
Mulit Purpose	4200	1.2	5040	$89.87	$452,945
Fit Ctr Total	32400		38880		$3,494,146
GENERAL INSTRUCTION					
General Clrm	16800	1.3	21840	$88.55	$1,933,932
Multi Purp Lab	2930	1.4	4102	$93.83	$384,891
Gen Instr Total	19730		25942		$2,318,823
HEALTH SERVICE					
Health Svc Cpx	2250	1.3	2925	$93.83	$274,453
EMT Lab Cpx	850	1.3	1105	$93.83	$103,682
Health Care Lab	800	1.3	1040	$93.83	$97,583

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Health Cr Total	3900		5070		$475,718
HOSPITALITY OCCUPATION					
Culinary Arts	2800	1.3	3640	$93.83	$341,541
Hotel/Motel	1400	1.3	1820	$93.83	$170,771
Hospitalty Total	4200		5460		$512,312
MISC SPACES					
Hort/Hydrophonic	900	1.3	1170	$75.33	$88,136
General Purp Lab	1200	1.3	1560	$88.55	$138,138
Child Care Lab	2400	1.3	3120	$93.83	$292,756
Misc Total	4500		5850		$519,024
OFFICE OCCUPATION					
Typing Lab Cpx	2700	1.3	3510	$93.83	$329,343
Word Proc Lab Cp	2800	1.3	3640	$93.83	$341,541
Shorthd Lab Cpx	1000	1.3	1300	$93.83	$121,979
Off Occup Total	6500		8450		$792,864
SCIENCES					
Biology Cpx	2160	1.3	2808	$93.83	$263,475
Chemistry Cpx	2160	1.3	2808	$93.83	$263,475
Physics Cpx	2160	1.3	2808	$93.83	$263,475
Earth Sci Cpx	2160	1.3	2808	$93.83	$263,475
Science Total	8640		11232		$1,053,899
INSTRUCT SPACE TOTAL	107160		136606		$13,009,192
ALL SPACE TOTALS	169530		221102		$22,526,358

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FIXED COST ITEMS	
Site Development & Landscaping	$1,500,000
Off-Site Utilities	$250,000
On-Site Utilities	$250,000
Fees and Misc Expenses on Fixed Costs	$150,000
TOTAL FIXED COST ITEMS	$2,150,000

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TOTAL PROJECT COST ESTIMATE	$24,676,358

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SANTA FE COMMUNITY COLLEGE

The information contained in this Master Plan Study is based on known program and support service needs which comprise the space requirements necessary to operate a complete core program for Santa Fe Community College (SFCC).

During the coming years the College, by staying "in tune" with community development and direction, will identify new program and service needs. Future enrollment projections identify an increase of FTE through the year 2000. This increase in enrollment will require additional facilities.

Future expansion will be of two types. The first type expansion will be to provide expanded instructional and instructional support spaces to accommodate an enlarged student body. Enrollment projections would indicate additional vocational and general classroom spaces will have the highest priority.

Space needs projection for the years 1995 and 2000 (contained in the section "Instructional Space Needs and Utilization") identify a need to increase instructional spaces in 1995 by 13,450 net square feet and in the year 2000 by an additional 12,860 net square feet. This represents an approximate 25 percent increase in instructional space needs. It can be assumed that the instructional support space will need to be increased by a similar percentage, or approximately 15,450 net square feet by the year 2000.

A second kind of future expansion would be for spaces to operate programs and services not yet identified or verified. Some of those functions could be as follows:

1. Center for workshops and seminars;
2. Dormitories;
3. Large Performing Arts Theater;
4. Facilities designed in cooperation with city, county or state government;
5. Other.

These future facilities will be identified in more detail in the Final Master Plan Report.

ERIC Clearinghouse for Junior Colleges
MAY 10 1985